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U. S. DEPARTMENT OF AGRICULTURE.

OFFICE OF EXPERIMENT STATIONS—BULLETIN NO. 128.

A. C. TRUE, Director.

STATISTICS

OF THE

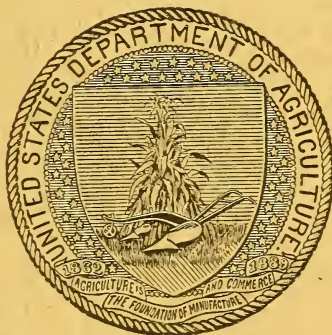
Land-Grant Colleges and Agricultural Experiment Stations

IN THE

UNITED STATES

FOR

THE YEAR ENDED JUNE 30, 1902.



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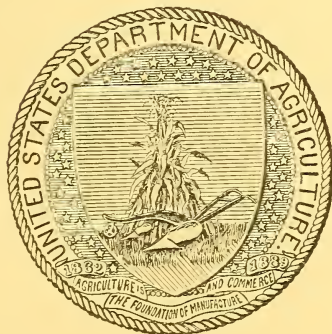
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OFFICE OF EXPERIMENT STATIONS.

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LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF EXPERIMENT STATIONS,
Washington, D. C., March 5, 1903.

SIR: I have the honor to submit herewith some statistics of the land-grant colleges and agricultural experiment stations for the year 1902, compiled under my direction by Miss Marie T. Spethmann, of this Office, and to recommend their publication as Bulletin No. 128.

Respectfully,

A. C. TRUE,
Director.

Hon. JAMES WILSON,
Secretary of Agriculture.

CONTENTS.

	Page.
Key to abbreviations	6
Summary of statistics of land-grant colleges	7
Summary of statistics of the stations	8
Statistics of the land-grant colleges and universities	10
Table 1.—Land-grant institutions and their courses of study	10
Table 2.—General statistics	16
Table 3.—Students, by classes and courses	18
Table 4.—Value of permanent funds and equipment	20
Table 5.—Revenue for year ended June 30, 1902	22
Table 6.—Additions to equipment in 1902	24
Table 7.—Disbursements from the United States Treasury to the States and Territories of the appropriations under the act of Con- gress approved August 30, 1890	25
Statistics of the agricultural experiment stations	27
Table 8.—General statistics, 1902	27
Table 9.—Revenue and additions to equipment in 1902	34
Table 10.—Expenditures from the United States appropriation for the year ended June 30, 1902	36
Table 11.—Disbursements from the United States Treasury to the States and Territories of the appropriations under the act of Con- gress of March 2, 1887	37

KEY TO ABBREVIATIONS.

Agr., Agriculture, Agricultural.
Arch., Architecture.
Biol., Biology, Biological.
Bot., Botany, Botanical.
Chem., Chemistry, Chemical.
Clas., Classical.
Elect., Electrical, Electricity.
Engin., Engineer, Engineering.
Engl., English.
Ent., Entomology.
For., Forestry.
Geol., Geology, Geological.
Hist., History.
Hort., Horticulture.
Husb., Husbandry.
Indus., Industrial, Industries, Industry.
Irrig., Irrigation.
Lang., Language, Languages.

Lat., Latin.
Libr., Library, Librarian.
Lit., Literature.
Math., Mathematics, Mathematical.
Mech., Mechanics, Mechanical.
Med., Medical, Medicine.
Metal., Metallurgy.
Pedag., Pedagogics, Pedagogy.
Phar., Pharmacy, Pharmaceutical.
Philos., Philosophy.
Phys., Physics, Physical.
Prep., Preparatory.
Sci., Science, Sciences, Scientific.
Sten., Stenography.
Tech., Technical.
Veg., Vegetable.
Vet., Veterinary, Veterinarian.
Zool., Zoology, Zoologist.

STATISTICS OF LAND-GRANT COLLEGES AND AGRICULTURAL EXPERIMENT STATIONS, 1902.

The following statistical statements relate to the institutions established under the acts of Congress of July 2, 1862, and August 30, 1890, most of which maintain courses of instruction in agriculture, and to the agricultural experiment stations, which, with a few exceptions, are organized under the act of Congress of March 2, 1887, and are conducted as departments of the institutions receiving the benefits of the land-grant act of July 2, 1862. These statistics have been compiled in part from replies to a circular of inquiry sent out from the Office of Experiment Stations and in part from the annual reports of the presidents of these institutions made on the schedules prescribed by the Commissioner of Education. Tables showing the annual disbursements on account of the acts of Congress of March 2, 1887, and August 30, 1890, prepared in the departments of the Treasury and the Interior, are also included. Owing to the complex organization of many of the institutions, it is impracticable to give exactly comparable statistics in all cases, and in some instances the data furnished are incomplete.

SUMMARY OF STATISTICS OF LAND-GRANT COLLEGES.

Educational institutions receiving the benefits of the acts of Congress of July 2, 1862, and August 30, 1890, are now in operation in all the States and Territories except Alaska. The total number of these institutions is 66, of which 63 maintain courses of instruction in agriculture. The aggregate value of the permanent funds and equipment of the land-grant colleges and universities in 1902 is estimated to be as follows: Land-grant fund of 1862, \$11,369,031.50; other land-grant funds, \$1,079,148.99; other permanent funds, \$16,354,870.55; land grant of 1862 still unsold, \$4,315,546.06; farm and grounds owned by the institutions, \$5,198,577.86; buildings, \$20,082,610.60; apparatus, \$1,670,306.12; machinery, \$1,545,508.28; libraries, \$1,979,343.69; miscellaneous equipment, \$3,949,944.60; total, \$67,544,888.25. The income of these institutions in 1902, exclusive of the funds

received from the United States for agricultural experiment stations (\$719,469.72), was as follows: Interest on land grant of 1862, \$682,-960.65; interest on other land grants, \$72,098.63; United States appropriation under act of 1890, \$1,200,000; interest on endowment or regular appropriation, \$552,363.08; State appropriation for current expenses, \$1,694,949.51; State appropriation for buildings or other special purposes, \$2,066,341.70; endowment, other than Federal or State grants, \$582,163.08; tuition fees, \$664,154.97; incidental fees, \$500,064.90; miscellaneous, \$1,151,176.30; total, \$9,166,272.82. The value of the additions to the permanent endowment and equipment of these institutions in 1902 is estimated as follows: Permanent endowment, \$1,115,905.46; buildings, \$1,785,125.39; library, \$134,102.70; apparatus, \$103,433.83; machinery, \$150,925.54; miscellaneous, \$123,-710.04; total, \$3,413,202.96. The number of persons in the faculties of the colleges of agriculture and mechanic arts was as follows: For preparatory classes, 346; for collegiate and special classes, 1,797; total, 2,229. In the other departments the faculties aggregated 1,050, making a grand total of 3,279 persons in the faculties of the land-grant institutions. The students in 1902 were as follows: (1) By classes—preparatory, 8,272; collegiate classes, 17,212; short course or special, 5,114; post graduate, 483; other departments, 16,334; total, 46,699. (2) By courses—agriculture, 6,299; mechanical engineering, 4,702; civil engineering, 2,146; electrical engineering, 1,814; mining engineering, 935; chemical engineering, 499; architecture, 336; household economy, 2,706; veterinary science, 977; dairying, 1,372; military tactics, 12,996. The graduates in 1902 were 4,443, and since the organization of these institutions, 50,026. The average age of graduates in 1902 was 21 years and 11 months. The total number of volumes in the libraries was 1,795,607. The total number of acres of land granted to the States under the act of 1862 was 10,110,852, of which 1,010,845 are still unsold.

SUMMARY OF STATISTICS OF THE STATIONS.

Agricultural experiment stations are now in operation under the act of Congress of March 2, 1887, in all the States and Territories and in Alaska, Hawaii, and Porto Rico. In Connecticut, New Jersey, New York, Hawaii, Missouri, Alabama, and Louisiana separate stations are maintained wholly or in part by State funds. A number of substations are also maintained in different States. Excluding the substations, the total number of stations in the United States is 60. Of these, 55 receive appropriations provided for by act of Congress.

The total income of the stations during 1902 was \$1,328,847.37, of which \$720,000 was received from the National Government, the remainder, \$608,847.37, coming from the following sources: State governments, \$369,771.12; individuals and communities, \$2,301.38;

fees for analyses of fertilizers, \$80,942.36; sales of farm products, \$105,644.60; miscellaneous, \$50,187.91. In addition to this, the Office of Experiment Stations had an appropriation of \$139,000 for the past fiscal year, including \$12,000 for the Alaska experiment stations, \$12,000 for the Hawaiian investigations, \$12,000 for the Porto Rican investigations, \$20,000 for nutrition investigations, and \$50,000 for irrigation investigations. The value of additions to the equipment of the stations in 1902 is estimated as follows: Buildings, \$176,113.78; libraries, \$11,941.98; apparatus, \$19,727.94; farm implements, \$14,982.56; live stock, \$20,554.27; miscellaneous, \$19,509.09; total, \$262,829.62.

The stations employ 710 persons in the work of administration and inquiry. The number of officers engaged in the different lines of work is as follows: Directors, 53; assistant and vice-directors, 18; special agents in charge, 3; chemists, 151; agriculturists, 54; agronomists, 7; animal husbandmen, 25; horticulturists, 73; farm foremen, 25; dairymen, 34; botanists, 50; entomologists, 50; zoologists, 6; veterinarians, 27; meteorologists, 12; biologists, 8; physicists, 5; geologists, 4; mycologists and bacteriologists, 20; irrigation engineers, 9; in charge of substations, 14; secretaries and treasurers, 25; librarians, 10; and clerks and stenographers, 41. There are also 103 persons classified under the head of "miscellaneous," including superintendents of gardens, grounds, and buildings; apiarists, vegetable, plant, and animal pathologists; herdsmen, poultrymen, etc.

Three hundred and sixty-four station officers do more or less teaching in the college with which the stations are connected.

The activity and success of the stations in bringing the results of their work before the public continue unabated. During the year they published 373 annual reports and bulletins, which are many more than are required by the Hatch Act. These were supplied to over half a million addresses on the regular mailing lists. A larger number of stations than formerly supplemented their regular publications with more or less frequent issues of press bulletins, and most of the stations report a large and constantly increasing correspondence with farmers on a wide variety of topics.

STATISTICS OF THE LAND-GRANT COLLEGES AND UNIVERSITIES.^a

Unless otherwise specified, the statistics reported in the tables are for the institutions as designated in the list given below:

TABLE 1.—*Institutions established under the land-grant act of July 2, 1862, and their courses of study.*

[All of the institutions in this list, except those marked with an asterisk (*), maintain courses of instruction in agriculture.]

State or Territory.	Name of institution.	Location.	President.	Collegiate courses of study (undergraduate).	Short courses.
Alabama	Alabama Polytechnic Institute.	Auburn	C. C. Thach, M. A.	Chem. and agr., civil engin., elect. and mech. engin., phar., general chem. and metal. (B. S.).	Agr., mech. arts, phar. (2 yrs.).
Arizona	Agricultural and Mechanical College for Negroes.	Normal	W. H. Counell, Ph. D.	Lit., sci., engin., chem., mining, agr. (B. S.).	Indus. and lit. studies (1 to 3 yrs.).
Arkansas	University of Arizona.	Tucson	F. Y. Adams, M. A.	Agr., full course (B. S.); agr., special course (B. A. S.); mech. engin. (B. M. E.).	Mining, assaying (2 yrs.).
	Arkansas Industrial University.	Fayetteville	H. S. Hartzog, LL. D.	civil engin. (B. C. E.); sci. (B. S.); liberal arts (B. A.).	Mech. engin., elect. engin., normal (2 yrs.).
California	*Branch Normal College.	Pine Bluff	Isaac Fisher	Collegiate (B. A.).	Normal, domestic econ., type-writing.
	University of California	Berkeley	B. I. Wheeler, Ph. D., LL. D.	Letters (B. A.), social sci. (B. L.), natural sci., commerce, agr., mech. mining, civil engin., chem. (B. S.).	Prep. med. (3 yrs.).
Colorado	The State Agricultural College of Colorado.	Fort Collins	B. O. Aylesworth, M. A., LL. D.	Agr., mech. engin., civil and irrig. engin., ladies', archi., vet. sci. (B. S.).	Commercial (2 yrs.).
Connecticut	Connecticut Agricultural College.	Storrs	R. W. Stimson, M. A., B. D.	(B. S.)	Dairy, creamery, for., pomol. (12 weeks), poultry (6 weeks), 20 miscellaneous 10-day courses.
Delaware	Delaware College	Newark	G. A. Harter, M. A., Ph. D.	Clas., Lat. sci. (B. A.), agr., general sci. (B. S.), civil engin. (B. C. E.), mech. engin. (B. M. E.), elect. engin. (B. E. E.).	Agr. (2 yrs.), agr. (winter, 3 months).
Florida	State College for Colored Students.	Dover	W. C. Jason, M. A., B. D.	Clas. (B. A.), sci. (B. S.), agr. (B. Agr.), engin. (B. E.).	Normal (3 yrs.).
	Florida Agricultural College	Lake City	T. H. Tallafarro, C. E., Ph. D.	Agr., mech. engin., chem., Lat., sci., civil engin. (B. S.), general sci., clas. (B. A.).	Mech. arts (2 yrs.), business, stenography, and type-writing (1 yr.).
	Florida State Normal and Industrial College.	Tallahassee	N. B. Young, M. A.		Normal, academic, and industrial.

Georgia.....	Georgia State College of Agriculture and Mechanic Arts.	Athens.....	H. C. White, Ph. D.....	General sci., agr., civil engin., elect. engin. (B. S.).	Normal (3 yrs.).	Agr. (winter, 3 months).
Idaho.....	Georgia State Industrial College.	College.....	R. R. Wright.....	Collegiate (B. A.).....	Normal (3 yrs.).	
Illinois.....	University of Idaho.....	Moscow.....	J. A. McLean, Ph. D.....	Clas. (B. A.), agr., sci., civil engin. (B. S.), mining engin. (B. M. E.), music (B. M.).	Agr. (3 yrs.), farmers' 6 weeks.	
Indiana.....	University of Illinois.....	Urbana.....	A. S. Draper, LL. D.....	Lit. and arts (B. A.), engin., sci., agr. (B. S.), music (B. M.), lib., sci. (B. L. S.), phar. (Ph. G.), phar. chem. (Ph. C.).		
Indiana.....	Purdue University.....	Lafayette.....	W. E. Stone, Ph. D.....	Mech. engin. (B. S., M. E.), civil engin. (B. S., C. E.), elect. engin. (B. S., E. E.), agr. (B. S., Agr.), sci. (B. S.), phar. (B. S., Phar.).	Agr. (2 yrs.), agr. (winter, 11 weeks), phar. (2 yrs., Ph. G.).	
Iowa.....	Iowa State College of Agriculture and the Mechanic Arts.	Ames.....	.....	Agr. (B., Agr.), mech. engin. (B. M. E.), civil engin. (B. C. E.), elect. engin. (B. S., E. E.), mining engin. (B. S., M. E.), sci., general and domestic sci. for women (B. S.), tech. (B. S.).	Vet. med. (3 yrs., D. V. M.), dairying (1 yr.), dairying (summer, 16 weeks), dairying (winter, 4 weeks), animal husb. (2 weeks).	
Kansas.....	Kansas State Agricultural College.	Manhattan.....	E. R. Nichols, M. A.....	Agr., mech. engin., general sci., elect. engin., domestic sci. (B. S.).	Dairy (12 weeks), apprentice shops (80 weeks), apprentice printing (80 weeks), domestic sci., agr. and mech., hort. and mech. (24 weeks).	
Kentucky.....	Agricultural and Mechanical College of Kentucky.	Lexington.....	J. K. Patterson, Ph. D., LL. D.....	Clas. (B. A.), mech. engin. (B. M. E.), civil engin. (B. C. E.), mining engin. (B. M. E.), agr. (B. Agr.), sci. (B. S.), pedag. (B. Ped.).	Agr. (1 yr.), agr. (10 weeks), normal.	
Kentucky.....	The Kentucky Normal and Industrial Institute for Colored Persons.	Frankfort.....	J. S. Hathaway, M. A., M. D.....	.....	Normal, agr., carpentry, cooking, dressmaking, printing, blacksmithing, wheelwrighting.	
Louisiana.....	Louisiana State University and Agricultural and Mechanical College.	Baton Rouge.....	T. D. Boyd, M. A., LL. D.....	Agr., mech. engin., sugar engin., civil engin., general sci., commercial (B. S.), lat. sci., lit. (B. A.).	Agr., dairy, bookkeeping (2 yrs.), mech., tin-smithing (3 yrs.), typewriting.	
Maine.....	Southern University and Agricultural and Mechanical College.	New Orleans.....	H. A. Hill.....	Clas., sci., agr., mech., normal, printing, music.	Agr. (2 yrs.), agr. (1 yr.), phar. (2 yrs.), short winter courses (12 weeks).	
Maine.....	The University of Maine.....	Orono.....	G. E. Fellows, M. A., Ph. D.....	Clas. (B. A.), lat. sci. (B. Ph.), sci. agr., chem., prep. med., phar., civil engin., mech. engin., elect. engin., mining engin. (B. S.).		
Maryland.....	Maryland Agricultural College.	College Park.....	R. W. Silvester.....	Clas. (B. A.), mech. engin. (B. M. E.), agr., sci. (B. S.).	Agr. (2 yrs.), agr. (10 weeks).	
Massachusetts.....	Princess Anne Academy.....	Princess Anne.....	Frank Trigg, M. A.....	Academy.....	Industrial	
Massachusetts.....	Massachusetts Agricultural College.	Amherst.....	H. H. Goodell, LL. D.....	Agr. (B. S.), postgraduate (Ph. D.).	Agr., chem., bot., zool., fruit culture, floriculture, market gardening, animal husb., dairying (11 weeks each).	

^a Including also institutions receiving apportionments from the appropriation of 1890.

TABLE 1.—*Institutions established under the land-grant act of July 2, 1862, and their courses of study—Continued.*

State or Territory.	Name of institution.	Location.	President.	Collegiate courses of study (undergraduate).	
				Four-year courses and degrees.	Short courses.
Massachusetts.....	* Massachusetts Institute of Technology.	Boston	Henry S. Pritchett	Civil engin., mech. engin., mining engin. and metal. archt., chem., elect. engin., biol., phys., general studies, chem. engin., sanitary engin., geol., naval archt. (B. S.).	Cheese making (4 weeks), creamery management, fruit culture, live stock husband., (6 weeks each), beet sugar production (20 weeks), Agr. (3 yrs.), agr. (6 months), dairying (4 weeks), phar.
Michigan.....	Michigan State Agricultural College.	Agricultural College.	J. L. Snyder, M. A., Ph. D.	Agr., mech., women's (B. S., each 4 and 5 years).	
Minnesota.....	The University of Minnesota.	Minneapolis.....	Cyrus Northrop, LL. D.	Clas. (B. A.), civil engin. (C. E.), mech. engin. (M. E.), elect. engin. (E. E.), mining, metal. (E. M., M. E.), chem. (B. S.), agr. (B. Agr.).	
Mississippi	Mississippi Agricultural and Mechanical College.	Agricultural College.	J. C. Hardy, M. A.	Agr., hort., dairying, vet. sci., chem., mech. engin., phys. and elect. engin., civil and rural engin., geol. and mining, textile (B. S.).	Agr., mech. arts, elect. engin., textile (2 yrs.), agr. (10 weeks).
Missouri.....	Alcorn Agricultural and Mechanical College.	Westside	W. H. Lanier, B. A.	Scientific (B. S.)	Business, carpentry, agr., shoemaking, blacksmithing, paluting.
	College of Agriculture and Mechanic Arts of the University of Missouri.	Columbia	R. H. Jesse, LL. D.	Agr. (B. S.), civil engin. (B. S., C. E.), mech. engin., mining engin. (B. S., M. E.), elect. engin. (B. S., E. E.), sanitary engin., chem., metal., archt. (B. S.).	Agr., hort. (12 weeks).
	* School of Mines and Metallurgy of the University of Lincoln Institute.....	Rolla	G. E. Ladd	Mining engin., civil engin., chem., and metal., general sci. (B. S.).	Academic, chem. and assaying, mining, surveying, elect. (2 yrs.).
		Jefferson City	B. F. Allen, M. A.	Collegiate (B. A.), normal	College prep. (3 yrs.), normal College prep. (2 yrs.), carpentry, blacksmithing, mach. work (3 yrs.), sewing, cooking, laundering (3 yrs.).
Montana	The Montana College of Agriculture and Mechanic Arts.	Bozeman	James Reid, B. A.	General sci., home sci. (B. S.), agr. (B. S., Agr.), chem. (B. A., C.), mech. engin. (B. M. E.), elect. engin. (B. E. E.), civil engin. (B. C. E.), biol. (B. S.), art, music.	Agr. (3 yrs.), business (1 yr.).
Nebraska.....	The University of Nebraska..	Lincoln	E. B. Andrews, LL. D.	Clas., lit. (B. A.), general sci., agr., civil engin., elect. engin., steam engin., municipal engin., mech. engin. (B. S.).	Agr. (3 yrs.), agr. (1 yr.), mech. arts, domestic sci. (2 yrs.), dairying.

Nevada.....	Nevada State University	Reno	J. E. Stubbs, M. A., D. D.	Liberal arts (B. A.), mining and metal- aggr., domestic sci., mech. engin., civil engin., general sci., commerce (B. S.), pedag.	Agr., dairying, domestic sci., assaying, (2 months).
New Hampshire ..	The New Hampshire College of Agriculture and the Me- chanic Arts	Durham	C. S. Munkland, M. A., Ph. D., D. D.	Agr. biol., chem., mech. engin., elect., tech. chem., general (B. S.).	Agr. (2 yrs.), agr. (winter 10 weeks), dairying (10 weeks).
New Jersey	Rutgers Scientific School, the New Jersey State College for the benefit of Agricul- ture and the Mechanic Arts. New Mexico College of Agri- culture and Mechanic Arts.	New Brunswick ..	Austin Scott, Ph. D., LL. D.	Agr., civil engin. and mech., chem., elect., biol., ceramics (B. S.), lat. sci. (B. Litt.).	Agr. (2 yrs.), pract. meeh. (2 yrs.), agr. and hort. (12 weeks).
New Mexico	Cornell University	Westfield Park	Luther Foster, M. S. A.	Agr., mech. engin., civil engin., sci. (B. S.).	Agr. (1 or 2 yrs.), agr., dairy- ing (11 weeks).
New York	The North Carolina College of Agriculture and Me- chanic Arts	Ithaca	J. G. Schurman, M. A., D. Sc., LL. D.	Arts (B. A.), civil engin. (C. E.), mech. engin. (M. E.), elect. engin. (E. E.), archi. (B. Arch.), agr. (B. S. A.), for. (B. S. F.), med. (M. D.), vet. sci. (D. V. M.).	Agr. (2 yrs.), pract. meeh. (2 yrs.), agr. and hort. (12 weeks).
North Carolina	The Agricultural and Me- chanical College for the Colored Race. North Dakota Agricultural College.	West Raleigh	G. T. Winston, M. A., LL. D.	Agr. (B. A.), mech. engin., civil engin., elect. engin., chem. engin., mining engin., textile sci. and art. (B. E.).	Agr., carpentry, mach. shops, engine and boiler tending, mach. drawing and design- ing (3 months), agr., mech. arts, textile indus. (2 yrs.). Carpentry, blacksmithing, dairying, hort.
North Dakota	Ohio State University	Greensboro	J. B. Dudley, M. A.	Agr., mech. (B. S., B. Agr.)	Agr., farm school (2 yrs.), farm school (3 months), stem engin. (2 yrs.), (3 months) agr., dairying (12 weeks), domestic econ. (2 yrs.), (3 months), pharm. (2 yrs.).
Ohio	Ohio State University	Agricultural Col- lege.	J. H. Worst, LL. D.	Agr., sci., mech. (B. S.)	Agr., hort., ceramics, domes- tic econ., indus. arts, min- ing, pharm. (2 yrs.), law, jour- nalism (3 yrs.), dairying (3 months), vet. med. (3 yrs., D. V. M.).
Ohio	Ohio State University	Columbus	W. O. Thompson, D. D.	Agr. (B. S. A.), hort. and for., domestic sci., sel., chem., indus. arts, manual training, pharm. (B. S.), arts (B. A.), Lat. philos., modern lang., philos., Engl. philos. (Ph. B.), archi., civil engin. (C. E.), clay working and ceramics, mech. engin., mining engin., (M. E.), elect. engin. (M. E., E. E.), vet. med. (D. V. M.), law (L. B.).	Agr., hort., mech. arts (8 weeks, winter), household econ., sten. and typewrit- ing, printing. Normal elementary (4 yrs.), college prep. (3 yrs.).
Oklahoma	Oklahoma Agricultural and Mechanical College.	Stillwater	A. C. Scott, M. A., LL. M.	Agr., general sci. and lit., mech. engin., chem., biol. (B. S.).	Agr., hort., mech. arts (8 weeks, winter), household econ., sten. and typewrit- ing, printing. Normal elementary (4 yrs.), college prep. (3 yrs.).
Oklahoma	Agricultural and Normal University.	Langston	I. E. Page, M. A.	Clas. (B. A.), sci. (B. S.), normal (B. S. D.), agr. (B. S. Agr.), elect. engin., mech. engin., civil arch. (B. M. E.).	Agr., hort., mech. arts (8 weeks, winter), household econ., sten. and typewrit- ing, printing. Normal elementary (4 yrs.), college prep. (3 yrs.).

TABLE 1.—*Institutions established under the land-grant act of July 2, 1862, and their courses of study—Continued.*

State or Territory.	Name of institution.	Location.	President.	Collegiate courses of study (undergraduate).	Short courses.
Oregon	Oregon State Agricultural College.	Corvallis	T. M. Gatch, M. A., Ph. D.	Agr., mech. engin., elect. engin., mining engin., household sci., phar., lit. commerce (B. S.).	Mining, business (2 yrs.), farmers' (4 weeks).
Pennsylvania	The Pennsylvania State College.	State College	G. W. Atherton, LL. D.	Clas. (B. A.), general sci., Lat. sci., philos., agr., biol., chem., civil engin., elect. engin., math., mech. engin., mining engin., phys. (B. S.).	Chem., mech., mining (2 yrs.), agr., mining (12 weeks), agr., dairy, creamerymen's (8 weeks), Chautauqua.
Rhode Island	Rhode Island College of Agriculture and Mechanic Arts.	Kingston	H. J. Wheeler, Ph. D.	Agr., mech. engin., chem., biol., elect. engin., general sci. (B. S.).	Poultry school (6 weeks), farm practice (6 weeks).
South Carolina	Clemson Agricultural College.	Clemson College	P. H. Mell, M. E., Ph. D.	Agr., mech. and engin., textile engin. (B. S.).	Dairying (10 weeks).
	The Colored Normal, Industrial, Agricultural, and Mechanical College of South Carolina.	Orangeburg	T. E. Miller, LL. D.	Regular (B. A.), mech. (B. S.), agr. (B. Agr.), normal (L. I.).	
South Dakota	South Dakota Agricultural College.	Brookings	J. W. Heston, Ph. D., LL. D.	Agr., domestic sci., mech. engin., elect. engin., hort., phar. (B. S.).	Phar. (2 yrs.) (Ph. G.), engin. drawing (24 weeks), dairy, agr., hort., domestic sci. (12 weeks), sten. and type-writing, commercial sci., steam engin. (1 yr.), art (3 yrs.), music.
Tennessee	University of Tennessee	Knoxville	C. W. Dabney, Ph. D., LL. D.	Lit. (B. A.), agr. sci., civil engin., mech. engin., elect. engin., chem. (B. S.), phar. (Ph. C.).	Phar. (2 yrs.), agr. and hort. (10 weeks).
Texas	State Agricultural and Mechanical College of Texas. Prairieview State Normal School.	College Station .. Prairieview	D. F. Houston	Agr., general sci., mech. engin., civil engin. (B. S.).	Stock farming, dairying, hort. (10 weeks).
Utah	Agricultural College of Utah.	Logan	E. L. Blackshear	Clas. and sci. (6 yrs.) (B. A.), normal, industrial.	
			W. J. Kerr, D. Sc.	Agr., domestic sci., commercial, civil engin., mech. engin., elect. engin., mining engin., general sci. (B. S.), mech. arts.	Agr., domestic sci., commercial (3 yrs.), engin. prep. (2 yrs.), prep. (1 yr.), agr., domestic arts, mech. arts (10 weeks).
Vermont	University of Vermont and State Agricultural College.	Burlington	M. H. Buckham, D. D., LL. D.	Clas. (B. A.), lit. sci. (Ph. B.), civil and sanitary engin., elect. engin., mech. engin., chem., agr. (B. S.), commerce and econ. (B. A. or Ph. B.).	Agr. (1 or 2 yrs.), dairy (4 weeks).
Virginia	The Virginia Agricultural and Mechanical College and Polytechnic Institute.	Blacksburg	J. M. McBryde, Ph. D., LL. D.	Agr., hort., applied chem., general sci., civil engin., mech. engin., elect. engin. (B. S.), prep. med.	Agr., mech. (2 yrs.), dairying (4 weeks).

Washington	The Hampton Normal and Agricultural Institute.	Hampton.....	H. B. Frissell, D. D., LL. D., .....	.....	Academic, trade (3 yrs.). Post-graduate: Agr., trades (3 yrs.); normal (2 yrs.), business (1 yr.). Supplementary courses in phys., geol. and mineralogy. Lat., schools of phar. (2 yrs.); agr., vet. sci., prep. (3 yrs.); business (1 and 2 yrs.); artisans (1 yr.); dairying (8 weeks).
West Virginia	Washington Agricultural College and School of Science.	Pullman.....	E. A. Bryan, M. A.	Math., civil engin., chem., bot. and zool., agr., hort., econ. sci. and hist., elect. engin., steam engin., hydraulic engin., mech. engin., mining engin. (B. S., B. A.), Engl. lang. and lit., modern lang. (B. A.).	Supplementary courses in phys., geol. and mineralogy. Lat., schools of phar. (2 yrs.); agr., vet. sci., prep. (3 yrs.); business (1 and 2 yrs.); artisans (1 yr.); dairying (8 weeks).
West Virginia	West Virginia University.....	Morgantown	D. B. Purinton, Ph. D., LL. D.	General culture (B. A., B. S.), mech. engin. (B. S., M. E.), civil engin. (B. S., C. E.), steam engin., hydraulic engin., elect. engin. (B. S., M. E.), agr. (B. S. Agr.), law (LL. B.).	Agr. (B. Agr.), mech. and elect., law, commercial (2 yrs.), agr. (1 yr.), agr., vet. sci., stock breeding and feeding (12 weeks).
Wisconsin	The West Virginia Colored Institute. University of Wisconsin.....	Institute..... Madison.....	J. McH. Jones..... E. A. Birge, Ph. D., D. Sc.	Academic, normal, agr., mech., printing. Ancient clas. (B. A.), modern clas., civic hist., Engl. (B. L.), general sci. (B. S.), civil engin. (B. S., C. E.), mech. engin. (B. S., M. E.), elect. engin. (B. S., E. E.), agr. (B. S. Agr.), phar. (B. S., Ph.), sanitary engin., applied electro-chem. Clas., lit. sci. (B. A.), normal (B. Ped.), agr., mech. engin., school of mines (B. S.).	Sewing (2 yrs.), dressmaking (3 yrs.). Music, agr. (2 winter courses, 14 weeks each), dairy school (12 weeks), creamery (summer).
Wyoming	University of Wyoming	Laramie.....	E. E. Smiley, D. D. ....	.....	Commercial (2 yrs.), agr. (1 to 2 yrs.), normal (1 yr.), school of mines (6 weeks).

	1893	1894	2	25	α 26	9	8	22	23	11,348	90,000	90,000	215
Montana	1869	1869	.....	78	78	17	b221	.....	b1,875	53,080	90,000	90,000	332
Nebraska	1873	1888	9	18	α 23	10	19	21	192	16,475	90,000	90,000	95
Nevada	1866	1866	.....	19	19	11	.....	.....	238	15,935	150,000	.....	343
New Hampshire	1864	1865	12	26	38	.....	3	22 2	48	49,520	210,000	.....	105
New Jersey	1889	1890	4	17	21	.....	.....	20 4	37	13,130	.....	.....	270
New Mexico	1865	1865	.....	.....	.....	11	b,496	.....	b,6,520	304,852	989,920	.....	270
New York	1889	1889	.....	30	30	18	.....	21 7	175	5,200	270,000	.....	5
North Carolina (West kaleigh)	1891	1891	.....	9	9	12	7	.....	24	877	.....	.....	6
North Carolina (Greensboro)	1890	1890	10	21	α 27	7	4	22	31	9,100	130,000	119,790	125
North Dakota	1870	1873	.....	65	65	.....	73	141	1,381	52,000	630,000	.....	345
Ohio	1891	1892	3	18	21	9	18	21 6	53	15,070	.....	.....	200
Oklahoma (Stillwater)	1897	1899	9	.....	9	.....	.....	.....	.....	750	.....	.....	160
Oklahoma (Langston)	1868	1888	.....	30	30	11	32	.....	437	3,270	90,000	.....	199
Oregon	1855	1859	6	48	α 48	14	30	23 4	582	18,557	780,000	.....	400
Pennsylvania	1888	1890	8	24	α 24	11	4	21 6	92	14,029	120,000	.....	178
Rhode Island	1883	1883	8	38	α 40	17	59	21 6	198	8,867	.....	.....	1,102
South Carolina (Clemson College)	1896	1896	10	5	15	.....	12	.....	171	1,259	.....	.....	130
South Carolina (Orangeburg)	1881	1884	3	23	26	.....	58	19	215	17,626	160,000	160,000	400
South Dakota	1869	1871	.....	39	39	12	24	23	.....	25,300	300,000	.....	230
Tennessee	1794	1869	.....	28	28	14	90	21	423	9,500	180,000	.....	2,416
Texas (College Station)	1871	1871	.....	α 23	.....	14	24	24	261	1,200	.....	.....	1,500
Texas (Prairieview)	.....	.....	23	5	.....	.....	14	.....	.....	.....	.....	.....	.....
Utah	1889	1889	9	26	35	15	3	24	88	21,500	200,000	200,000	116
Vermont	1865	1885	.....	38	38	.....	31	.....	3,636	95,605	150,000	.....	150
Virginia (Blacksburg)	1872	1872	.....	34	34	11	51	23 5	380	5,000	220,000	.....	404
Virginia (Hampton)	1865	1890	.....	73	73	.....	43	.....	1,152	11,568	110,000	.....	795
Washington	1892	1892	10	40	50	14	38	25	98	9,385	90,000	90,000	250
West Virginia (Morgantown)	1867	1867	18	31	49	15	59	23	831	20,000	90,000	.....	130
West Virginia (Institute)	1891	1892	6	7	13	.....	18	20	.....	2,190	.....	.....	69
Wisconsin	1848	1866	34	66	100	17	302	21	4,908	86,239	240,000	80	400
Wyoming	1887	1891	13	13	α 13	8	4	22 6	97	22,000	90,000	90,000	416
Total	.....	.....	346	1,797	2,229	625	4,443	21 11	50,026	1,735,607	10,110,852	1,010,845	24,663

b Including all departments of the university.

a Total, counting none twice.

TABLE 3.—Students, by classes and courses, at land-grant colleges in 1902.

State or Territory.	By classes.					By courses.											
	Preparatory classes.	College classes.	Short or special.	Postgraduate.	Other departments.	Total.	Agriculture.	Mechanical engineering.	Civil engineering.	Electrical engineering.	Mining engineering.	Chemical engineering.	Architecture.	Household economy.	Veterinary science.	Dairying.	Military tactics.
Alabama (Auburn)	58	326		22		406	97	55	29	57				244	17	20	278
Alabama (Normal)	142	170	84	59		455	158		4			40		13			211
Arizona	142	69		4		215	2	2									358
Arkansas (Fayetteville)	114	58	22	3	412	609	10	6	42	32							
Arkansas (Pine Bluff)	180	50	15			245				2							
California	761	37	37	17	2, 377	3, 192	61	a 190	91		248	171				18	779
Colorado	130	181	131	6		448	47	97	19				9	80	9	5	300
Connecticut		50	30	2		82	62							12		6	45
Delaware (Newark)	109		1	4		114	8	7	28	21				20	8		97
Delaware (Dover)	45	28				73			3							1	134
Florida (Lake City)	66	69	65			200	41	84	22				8	45		22	132
Florida (Tallahassee)	153					153	22			8			5				
Georgia (Athens)	154		20	2		154	43		12								
Georgia (College)	218	159				377	12										
Idaho	134	121			51	306			15		28						125
Illinois	519		160	27	2, 226	2, 932	203	131	170	105		5	62	37	68	48	594
Indiana	950	189	180	48		1, 187	120	321	206	272				20	66	26	419
Iowa	250	960	300	10		1, 520	194	91	119	163	15			90	56	81	550
Kansas	298	787	338	32		1, 396	341	233	46					296		66	489
Kentucky (Lexington)	110	379	105	17		611	6	137					1			3	
Kentucky (Frankfort)	101	38	52	27		218	22	2	40				6		17		347
Kentucky (Baton Rouge)	162	254	3	1		420	37	34								25	
Louisiana (New Orleans)	409	6	472			6, 422	39			91						16	279
Maine	345	14	5	47		411	18	31	112						6	5	143
Maryland (College Park)	30	104	19			153	19	44	2					23			
Maryland (Princess Anne)			3			83	20										183
Massachusetts (Amherst)	80					224	224		3						9	36	385
Massachusetts (Boston)		1, 399	38	14		1, 415		129	102	96	76	30	40				
Michigan	72	527	94	7		6, 689	293	249						158	80	70	400
Minnesota	c 497	475	156	2	2, 582	b 3, 655	619	90	100	95	109	21			80	114	550
Mississippi (Agricultural College)	250	322	28	4		6, 564	478	227		10					214	241	
Mississippi (Westside)	437	42				479	150										
Missouri (Columbia)		263	130	12	1, 073	1, 478	145	34	98	62	139	19		26	40	24	251
Missouri (Rolla)		185		8		193			12	4		156					
Missouri (Jefferson City)		46			207	253	46										

State	97	72	38	2	67	276	24	1	6	6	12		12		12		55
Montana	97	72	38		67	276	24	1	6	6	12		12		12		55
Nebraska	98	263	59	3	2,132	2,289	11	34	58	86			21		21		300
Nevada	128	6,334	17	1	6,334	6,334	51	17	2		53		25		25		170
New Hampshire	131	43	43	3			51	29				8				19	12
New Jersey	155	157	4	2	61	379	57		43	29		19					86
New Mexico	120	27	66	2		215	3										159
New York	829	55	27	27	1,354	2,845	92	22	214							51	
North Carolina (West Raleigh)	325	41	3			369	72	155	32	58		11			41		
North Carolina (Greensboro)	91					91	40	41								40	
North Dakota	77	25	558	2		612	370	191	79				125		78	41	96
Ohio	77	669	112	2	733	1,516	49	71	63	5		20	39		61	40	400
Oklahoma (Stillwater)	188	161	85	1		1,335	40	53					167				
Oklahoma (Langston)	241					211	83	83					128				
Oregon	38	398	42	10	30	518	64	106	11	107			90		9	64	321
Pennsylvania	37	417	46	4		504	13	100	78	128	26					43	425
Rhode Island	51	37	42	5	5	135	6	6	2	8		3					65
South Carolina (Clemson College)	100	333		7		500	43	88	8	80			23			11	156
South Carolina (Orangeburg)	554	70				624	150	65					230			25	300
South Dakota	124	190	293	3		580	43	37	8				33		6	27	164
Tennessee	333	47		3	235	618	46	490							24	24	199
Texas (College Station)	464			3		467	296	115	98						32		464
Texas (Prairieview)	321	9	5			335	40	45		1			178				205
Utah	302	146	68			516	22	3	57				74		9	9	205
Vermont	289	289	63	3	215	570	40	19	37	32		36	20		52		200
Virginia (Blacksburg)	380	580	72	20		472	35	135	50	150			10		12		442
Virginia (Hampson)	1,079					1,079	606						520				335
Washington	151	375	3	3		6,724	6	432	14		21					8	281
West Virginia (Morgantown)	230	533	117	29		901	37	79									141
West Virginia (Institute)	42	103				145	7						83		2	7	62
Wisconsin	585	585	424		1,818	2,777	f 446	64	93	116					130		671
Wyoming	20	15		1	134	169		11			23		1				75
Total	8,272	17,212	5,114	483	16,334	46,699	6,299	4,702	2,146	1,814	935	499	336		977	1,372	12,996

^a Including electrical.
^b Total, counting note twice.

^c Including 441 students in School of Agriculture.
^d Including civil and electrical engineering.

^e Including civil, electrical, and mining engineering.
^f Including dairying.

TABLE 4.—*Value of permanent funds and equipment of land-grant colleges, 1902.*

State or Territory.	Land-grant fund of 1862.	Other land-grant funds.	Other permanent funds.	Land grant of 1862 still unsold.	Farm and grounds owned by the institution.	Buildings.	Apparatus.	Machinery.	Library.	Miscellaneous equipment.	Total.
Alabama (Auburn)	\$253,500.00				\$4,500.00	\$143,807.00	\$13,200.00	\$16,800.00	\$31,807.50	\$17,000.00	\$480,614.50
Alabama (Normal)					18,200.00	42,803.59	5,079.34	3,116.73	2,957.00		72,156.61
Arizona					20,640.00	113,433.89	17,095.14	12,782.56	12,273.01	52,701.19	228,925.79
Arkansas (Fayetteville)	130,000.00				16,000.00	246,000.00	29,000.00	15,000.00	11,500.00	5,500.00	453,000.00
Arkansas (Pine Bluff)					50,000.00	26,000.00	500.00	14,000.00		1,500.00	92,000.00
California	730,965.54	\$74,962.27	\$2,229,100.15	\$10,486.18	193,125.00	700,000.00				<i>a</i> 390,000.00	4,388,639.14
Colorado	89,519.50			150,000.00	46,000.00	151,849.00	46,000.00	15,300.00	18,750.00	15,500.00	533,118.50
Connecticut	135,000.00				15,000.00	112,000.00	7,500.00	6,800.00	20,000.00	12,000.00	309,300.00
Delaware (Newark)	83,000.00				3,000.00	110,000.00	50,000.00	5,000.00	20,000.00	8,000.00	279,000.00
Delaware (Dover)					6,000.00	18,800.00	1,000.00	8,000.00			33,800.00
Florida (Lake City)	154,300.00				18,000.00	100,000.00		22,000.00	8,000.00		302,300.00
Florida (Tallahassee)					5,500.00	25,000.00	1,000.00	2,000.00		5,500.00	40,000.00
Georgia (Athens)	243,000.00				15,000.00	340,000.00	50,000.00	10,000.00	50,000.00	390,000.00	1,098,000.00
Georgia (College)					1,400.00	32,433.04				3,144.00	36,977.04
Idaho	567,220.53				14,000.00	175,000.00	16,200.00	3,200.00	10,625.00	2,500.00	221,525.00
Illinois	340,000.00		1,250.00	600.00	15,000.00	1,175,000.00	160,000.00	60,000.00	80,000.00	110,000.00	2,334,070.53
Indiana	589,754.01				60,000.00	384,000.00				<i>a</i> 312,000.00	1,096,000.00
Iowa	491,181.36	93,954.51		6,214.08	39,700.00	306,187.00	35,742.76	16,582.38	45,279.97	148,373.17	1,083,046.64
Kansas	165,000.00				310,000.00	161,000.00	43,400.00	24,200.00	10,600.00	417,000.00	1,131,200.00
Kentucky (Lexington)					22,600.00	23,000.00	350.00	2,500.00	1,700.00	1,200.00	51,350.00
Kentucky (Frankfort)					33,300.00	200,000.00	13,000.00	9,000.00	25,000.00	26,000.00	315,893.00
Louisiana (Baton Rouge)	182,313.00	136,000.00	691,280.00		22,000.00	46,364.82	3,429.20	4,384.00	3,948.00	7,389.16	87,515.18
Louisiana (New Orleans)					25,000.00	222,241.00	22,000.00		24,500.00	12,500.00	542,141.00
Maine	118,300.00		101,600.00		28,600.00	90,000.00		16,000.00		<i>a</i> 32,000.00	268,600.00
Maryland (College Park)					4,000.00	12,000.00					16,000.00
Maryland (Princess Anne)	219,000.00		141,575.35		42,500.00	213,775.00	17,600.00		22,473.00	70,000.00	726,923.35
Massachusetts (Amherst)			3,435,717.34		717.34	717,038.74	250,000.00	91,140.00	123,347.00		4,617,243.08
Massachusetts (Boston)			<i>a</i> 100,000.00	200,000.00	48,107.50	359,725.00	32,054.24	16,003.05	41,980.05	101,585.44	1,814,909.71
Michigan	915,454.43		763,699.96	240.00	550,000.00	1,070,500.00	97,500.00	77,000.00	85,000.00		3,214,275.55
Minnesota	570,335.59				3,000.00	180,486.00	15,204.33	82,311.73	15,644.46	61,195.15	638,123.22
Mississippi (Agricultural College)	98,575.00	141,212.55			3,000.00	150,000.00	10,000.00	5,000.00	5,000.00	2,000.00	384,871.00
Mississippi (Westside)	113,575.00	96,296.00			237,206.00	250,000.00				<i>a</i> 105,000.00	1,002,087.19
Missouri (Columbia)	349,881.19			60,000.00	15,000.00	170,000.00			9,000.00	13,000.00	236,900.00
Missouri (Rolla)					5,000.00	100,000.00					105,000.00
Missouri (Jefferson City)		19,000.00		900,000.00	12,000.00	110,000.00	15,000.00	15,000.00	15,000.00		1,086,000.00
Montana	215,348.07	98,614.04			325,000.00	469,000.00	<i>a</i> 225,376.00	106,160.00	106,160.00	23,000.00	1,462,498.11
Nebraska	93,000.00				38,747.90	164,213.25	18,763.50	11,485.56	14,76.95	35,377.19	406,764.35
New Hampshire	80,000.00				20,500.00	84,016.24	15,903.20	5,464.00	9,800.00	20,000.00	235,683.44
New Jersey					130,000.00	366,500.00			40,000.00	75,000.00	1,227,500.00
New Mexico	116,000.00		500,000.00		7,500.00	45,000.00	16,500.00	19,000.00	12,500.00	7,500.00	108,000.00
New York	688,576.12		6,559,391.50		99,218.91	2,724,372.86			528,384.40	742,332.86	11,342,276.65

North Carolina (West Raleigh).....	125,000.00			26,189.55	113,785.29	11,822.08	34,874.38 ^c	5,832.20	10,000.00	327,503.50
North Carolina (Greensboro).....				10,000.00	42,300.00			1,000.00		53,300.00
North Dakota.....	22,318.81			32,000.00	154,000.00	12,000.00	10,000.00	16,000.00		1,414,224.61
Ohio.....	524,176.30	34,380.47	1,197,905.80	1,800,000.00	842,733.18	176,000.00	37,000.00	75,000.00	27,000.00	3,403,675.20
Oklahoma (Stillwater).....		^c 193,385.25		10,000.00	98,500.00	30,800.00	22,928.83	17,964.90	7,000.00	201,924.22
Oklahoma (Langston).....		14,730.49		5,000.00	33,904.35	1,500.00	8,500.00	1,600.00	2,500.00	53,004.35
Oregon.....	131,556.37			20,000.00	120,000.00	3,500.00	17,000.00			292,056.37
Pennsylvania.....	427,290.50	25,000.00		40,000.00	750,000.00				60,000.00	1,302,290.50
Rhode Island.....	50,900.00			18,000.00	200,000.00			13,678.90		382,730.37
South Carolina (Clemson College).....	95,900.00			26,280.00	323,000.00	120,000.00	70,000.00	7,000.00	101,000.86	737,180.00
South Carolina (Orangeburg).....	95,900.00	80,000.00		40,000.00	170,000.00	3,600.00	7,150.00	1,500.00	2,000.00	230,150.00
South Dakota.....			800,000.00					6,300.00		1,023,500.00
Tennessee.....	396,000.00	29,000.00		106,370.00	205,408.66	47,491.92	44,913.00	11,000.00	11,700.91	851,886.49
Texas (College Station).....	209,000.00			48,320.00	400,000.00	10,842.31	22,578.08	5,500.00	35,624.16	731,864.98
Texas (Prairieview).....				20,000.00	81,200.00	800.00	2,500.00	1,320.00	3,000.00	109,420.00
Utah.....				12,800.00	205,492.71	9,928.07	1,520.98	6,548.35	24,904.71	362,864.82
Vermont.....	135,500.00	101,670.00		30,000.00	575,000.00	58,000.00	10,000.00	150,000.00	20,000.00	1,427,050.00
Virginia (Blacksburg).....	344,312.00		448,550.00	30,000.00	218,740.03			2,600.00	111,955.80	707,607.83
Virginia (Hampton).....	516,408.00		1,035,321.00	57,000.00	565,000.00			6,000.00	^e 155,500.00	2,355,289.00
Washington.....			900,000.00	15,000.00	250,000.00	20,000.00	35,000.00	20,000.00	15,000.00	1,835,000.00
West Virginia (Morgantown).....	90,000.00			225,000.00	450,000.00	10,000.00	20,000.00	40,000.00		835,000.00
West Virginia (Institute).....				12,000.00	82,200.00		16,000.00	3,000.00		121,200.00
Wisconsin.....	303,359.61	228,263.95	100.00	110,173.00	1,279,806.00	8,000.00	^d 280,705.00	130,283.00		2,352,700.56
Wyoming.....	21,450.57	4,064.71	90,000.00	10,600.00	150,000.00	59,000.00	27,000.00	21,800.00	6,300.00	390,215.28
Total.....	11,369,031.50	1,079,148.99	4,315,546.06	5,198,577.86	20,082,610.60	1,670,306.12	1,545,508.28	1,979,343.69	3,949,944.60	67,544,888.25

^a Including apparatus, machinery, and library.^b Including apparatus and machinery.^c From mill tax.^d Including apparatus.^e Including machinery.

TABLE 5.—*Revenue of land-grant colleges for year ended June 30, 1902.*

State or Territory.	Federal aid.			State aid.			Income from endowment or other Federal or State grants.	Fees and all other sources.			Total income.	United States appropriation for experimental stations (act of 1887).
	Interest on land grant of 1862.	Interest on other land grants.	Appropriation act of 1890.	Interest on endowment or regular appropriation.	Appropriation for current expenses.	Appropriations for buildings or for other special purposes.		Tuition fees.	Incidental fees.	Miscellaneous.		
Alabama (Auburn).....	\$20,280.00		\$13,850.00	\$12,872.84				\$920.00	\$1,850.00	\$4,623.57	\$54,396.41	\$15,000.00
Alabama (Normal).....			11,150.00		\$4,000.00					15,655.80	30,805.80	
Arizona.....			25,000.00		20,877.39				1,491.35	2,459.50	49,828.24	15,000.00
Arkansas (Fayetteville).....	10,400.00		18,181.82		38,150.00	\$15,450.00		420.00	2,880.00	1,344.66	86,826.48	15,000.00
Arkansas (Pine Bluff).....			6,818.18					375.00	52.00		7,245.18	
California.....	43,870.00	\$4,440.00	25,000.00	65,679.61	100,000.00	246,754.30	\$44,196.99	12,847.45	51,318.68	5,820.52	594,107.03	15,000.00
Colorado.....	10,851.76		25,000.00		51,066.38	8,000.00				16,000.00	64,500.00	7,500.00
Connecticut.....	4,700.00		25,000.00	6,700.00	15,000.00	17,500.00		60.00	1,750.00	3,579.24	47,869.24	15,000.00
Delaware (Newark).....	4,980.00		20,000.00			3,000.00				2,227.78	10,227.78	
Delaware (Dover).....			5,000.00									
Florida (Lake City).....			12,500.00			61,250.00				1,271.17	86,312.84	15,000.00
Florida (Tallahassee).....	8,955.51		12,500.00		4,500.00						17,000.00	
Georgia (Athens).....	16,954.14		16,666.66							256.62	34,404.92	15,000.00
Georgia (College).....			8,333.34								16,333.34	
Idaho.....			25,000.00		8,000.00						37,265.75	15,000.00
Illinois.....	32,176.96		25,000.00		10,000.00	1,000.00			300.00	965.75	37,265.75	15,000.00
Indiana.....	17,000.00		25,000.00		175,000.00	346,330.01			156,891.82	28,391.15	763,789.94	15,000.00
Iowa.....	38,253.93		25,000.00		66,900.00	21,849.71		2,287.50	29,549.30	21,882.28	184,468.79	15,000.00
Kansas.....	25,370.00		25,000.00		25,000.00	113,088.77		335.00		2,517.30	204,195.00	15,000.00
Kansas (Lexington).....	8,644.50		21,375.00	36,578.11		99,880.00		2,377.40	1,210.75	32,566.49	173,250.00	15,000.00
Kentucky (Frankfort).....	1,255.50		3,625.00		3,000.00	18,500.00			196.00	1,907.26	9,983.76	15,000.00
Louisiana (Baton Rouge).....	9,115.69	5,440.00	12,106.85		15,000.00	6,000.00			2,097.50	5,261.00	55,021.64	15,000.00
Louisiana (New Orleans).....	5,915.00		12,893.15		10,000.00				77.00	400.00	23,537.15	15,000.00
Maine.....	3,478.30		25,000.00		15,000.00			12,870.00	8,580.00	23,315.63	90,680.63	15,000.00
Maryland (College Park).....			20,969.33		9,000.00	12,000.00		16,313.02	7,353.10	1,058.19	70,171.94	15,000.00
Maryland (Princess Anne).....			4,030.67					577.24	6.00	673.91	5,287.82	15,000.00
Massachusetts (Amherst).....	7,300.00		16,666.66	3,703.34	13,000.00	8,500.00			730.00	1,775.37	51,675.37	15,000.00
Massachusetts (Boston).....	5,468.34		8,333.34		25,000.00		65,000.00	221,583.00	10,844.99	31,603.99	367,833.66	15,000.00
Michigan.....	65,000.00		25,000.00	100,000.00		14,200.00		385.00	4,230.00	44,072.28	252,887.28	15,000.00
Minnesota.....	23,452.00		25,000.00	30,161.30	184,030.69	222,150.00		104,000.00		27,732.66	616,526.65	15,000.00
Mississippi (Agricultural College).....	5,914.50	8,358.00	11,624.16		48,272.41	81,330.00		330.00	1,625.00	24,386.95	181,841.02	15,000.00
Mississippi (Westside).....	6,814.50	5,777.77	13,375.84		8,000.00	23,000.00				800.00	57,768.11	15,000.00
Missouri (Columbia).....	13,121.10		17,550.50		22,500.00	36,573.07			5,353.60	11,057.77	106,456.04	15,000.00
Missouri (Rolla).....	4,373.00	100.00	5,887.00	6,599.58	16,000.00	87,000.00			3,500.00		123,459.58	
Missouri (Jefferson City).....			1,562.50		1,000.00						2,562.50	
Montana.....	9,300.00		25,000.00		12,000.00	15,000.00		2,251.00	750.00	4,694.28	68,995.28	15,000.00
Nebraska.....	35,000.00	20,000.00	25,000.00	82,500.00	37,250.00					82,216.61	231,966.61	15,000.00

Nevada.....	25,000.00	18,000.00	15,500.00	.....	.....	.....	.....	.....	.....	598.49	59,098.49	15,000.00
New Hampshire.....	25,000.00	8,000.00	17,500.00	.....	.....	.....	.....	.....	.....	28,301.82	85,233.16	15,000.00
New Jersey.....	25,000.00	.....	.....	.....	.....	.....	.....	.....	.....	423.65	56,799.48	15,000.00
New Mexico.....	25,000.00	5,509.80	.....	.....	.....	.....	.....	.....	.....	1,453.92	33,147.27	15,000.00
New York.....	16,750.00	.....	.....	.....	.....	.....	.....	.....	.....	388,131.61	1,105,529.16	13,500.00
North Carolina (West Raleigh).....	8,250.00	.....	.....	.....	.....	.....	.....	.....	.....	10,245.54	80,715.04	15,000.00
North Carolina (Greensboro).....	25,000.00	10,000.00	.....	.....	.....	.....	.....	.....	.....	4,884.97	25,921.18	.....
North Dakota.....	25,000.00	25,000.00	.....	.....	.....	.....	.....	.....	.....	55,859.69	169,638.09	15,000.00
Ohio.....	25,000.00	133,385.25	.....	.....	.....	.....	.....	.....	.....	65,658.09	420,006.40	.....
Oklahoma (Stillwater).....	22,500.00	5,137.14	64,997.05	.....	.....	.....	.....	.....	.....	3,465.90	94,937.08	15,000.00
Oklahoma (Langston).....	2,500.00	18,000.00	3,000.00	.....	.....	.....	.....	.....	.....	219.20	23,719.20	.....
Oregon.....	25,000.00	5,000.00	25,954.17	.....	.....	.....	.....	.....	.....	1,782.10	68,810.12	15,000.00
Pennsylvania.....	25,000.00	42,228.87	1,750.00	.....	.....	.....	.....	.....	.....	16,105.44	122,992.06	15,000.00
Rhode Island.....	25,000.00	5,382.57	5,195.00	.....	.....	.....	.....	.....	.....	.....	48,115.00	15,000.00
South Carolina (Clemson College).....	12,500.00	85,670.83	.....	.....	.....	.....	.....	.....	.....	5,366.18	116,544.35	15,000.00
South Carolina (Orangeburg).....	12,500.00	.....	8,500.00	.....	.....	.....	.....	.....	.....	.....	26,754.00	.....
South Dakota.....	25,000.00	24,700.00	50,000.00	.....	.....	.....	.....	.....	.....	.....	118,634.32	14,500.00
Tennessee.....	25,000.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	71,848.61	15,000.00
Texas (College Station).....	18,750.00	25,000.00	42,000.00	.....	.....	.....	.....	.....	.....	6,522.46	100,630.00	15,000.00
Texas (Fairview).....	6,250.00	18,000.00	4,700.00	.....	.....	.....	.....	.....	.....	.....	40,009.21	.....
Utah.....	25,000.00	21,000.00	66,100.00	.....	.....	.....	.....	.....	.....	.....	126,131.61	15,000.00
Vermont.....	25,000.00	6,000.00	.....	.....	.....	.....	.....	.....	.....	.....	6,633.52	.....
Virginia (Blacksburg).....	16,666.67	25,000.00	25,000.00	.....	.....	.....	.....	.....	.....	.....	3,607.78	82,492.92
Virginia (Hampton).....	8,333.33	6,000.00	.....	.....	.....	.....	.....	.....	.....	.....	1,033.00	102,066.75
Washington.....	25,000.00	30,000.00	21,000.00	.....	.....	.....	.....	.....	.....	.....	116,371.59	185,881.33
West Virginia (Morgantown).....	20,000.00	47,250.00	109,300.00	.....	.....	.....	.....	.....	.....	.....	6,092.48	88,645.31
West Virginia (Institute).....	5,000.00	1,000.00	.....	.....	.....	.....	.....	.....	.....	.....	9,728.06	203,124.21
Wisconsin.....	25,000.00	289,000.00	65,000.00	.....	.....	.....	.....	.....	.....	.....	289.00	6,414.00
Wyoming.....	25,000.00	10,406.00	.....	.....	.....	.....	.....	.....	.....	.....	42,675.00	514,329.00
Total.....	1,200,000.00	1,694,949.51	2,065,341.70	532,363.08	1,694,949.51	2,065,341.70	582,163.08	664,154.97	500,064.90	1,151,176.30	9,166,272.82	695,500.00

^aIncluding tuition fees.^bIncluding board of students.^cIncluding tuition and incidental fees.^dIncluding fees and board.

TABLE 6. — *Additions to equipment of land-grant colleges, 1962.*

State or Territory.		Permanent endow- ment.	Buildings.	Library.	Apparatus.	Machinery.	Miscella- neous.	Total.
Alabama (Auburn)	.....		\$1, 276. 40	\$1, 807. 50	\$1, 200. 00	\$1, 800. 00	.....	\$8, 083. 30
Alabama (Normal)	.....						
Arizona	.....		7, 033. 89	1, 248. 29	2, 000. 70	2, 441. 44	\$433. 94	13, 238. 26
Arkansas (Fayetteville)	.....		14, 000. 00	600. 00	3, 500. 00	1, 100. 00	500. 00	19, 700. 00
Arkansas (Pine Bluff)	.....		5, 800. 00			2, 000. 00	100. 00	7, 900. 00
California	.....	\$107, 500. 00	64, 994. 82	19, 631. 66			615, 000. 00	207, 191. 48
Colorado	.....			500. 00	1, 850. 00		630. 00	3, 000. 00
Connecticut	.....			973. 20	1, 020. 13	3, 340. 36	3, 832. 22	9, 185. 91
Delaware (Newark)	.....		12, 500. 00	1, 400. 00	1, 450. 00	1, 200. 00	2, 475. 00	19, 025. 00
Delaware (Dover)	.....		6, 000. 00					6, 000. 00
Florida (Lake City)	.....		50, 000. 00					55, 596. 75
Florida (Tallahassee)	.....		2, 500. 00	143. 67	323. 02	1, 000. 00	4, 130. 06	2, 500. 00
Georgia (Athens)	.....			850. 00	600. 00			1, 450. 00
Georgia (College)	.....							3, 855. 28
Iaaho.	.....		3, 855. 28					51, 950. 00
Illinois	.....	35, 325. 40	50, 000. 00	425. 00	1, 200. 00	200. 00	125. 00	255, 325. 40
Indiana	.....		175, 000. 00	10, 000. 00	5, 000. 00	5, 000. 00	5, 000. 00	27, 000. 00
Iowa	.....		22, 000. 00	2, 275. 00	2, 000. 00	2, 475. 00	250. 00	105, 000. 00
Kansas	.....		100, 000. 00	2, 000. 00	2, 000. 00	1, 000. 00		85, 710. 00
Kentucky (Lexington)	.....		75, 000. 00	1, 500. 00	840. 00	1, 370. 00	7, 000. 00	25, 491. 79
Kentucky (Frankfort)	.....		20, 000. 00	1, 170. 91	3, 247. 82	673. 06	400. 00	237. 00
Louisiana (Baton Rouge)	.....			125. 00	12. 00			21, 900. 63
Louisiana (New Orleans)	.....		17, 812. 18	681. 91	1, 505. 13	1, 270. 61	690. 80	343. 50
Maine	.....			28. 00	92. 50		75. 00	8, 081. 94
Maryland (College Park)	.....			2, 250. 94	3, 756. 00	2, 000. 00		
Maryland (Princess Anne)	.....						
Massachusetts (Amherst)	.....	116, 658. 04		1, 000. 00	625. 00			1, 625. 00
Massachusetts (Boston)	.....	100, 000. 00		6, 645. 00				123, 303. 04
Michigan	.....	19, 782. 72						100, 000. 00
Minnesota	.....		161, 700. 00	8, 500. 00	11, 461. 00	30, 000. 00		231, 443. 72
Mississippi (Agricultural College)	.....		1, 886. 28	783. 64	1, 287. 83	33, 444. 51	9, 971. 00	47, 373. 26
Mississippi (Westside)	.....		150, 000. 00	5, 000. 00	1, 200. 00	5, 000. 00	2, 500. 00	163, 700. 00
Missouri (Columbia)	.....						
Missouri (Rolla)	.....	25, 000. 00	94, 000. 00	800. 00	3, 000. 10			122, 800. 00
Missouri (Jefferson City)	.....		1, 000. 00	1, 000. 00				1, 000. 00
Montana	.....		16, 000. 00	2, 000. 00	1, 250. 00	950. 00		20, 200. 00
Nebraska	.....			8, 450. 00			1, 500. 00	17, 450. 00
Nevada	.....	1, 599. 83	15, 500. 00	49. 68	524. 65	492. 15	6, 177. 69	24, 344. 00
New Hampshire	.....			2, 147. 74	993. 50		2, 014. 31	3, 007. 81
New Jersey	.....	20, 700. 00		1, 500. 00	2, 502. 75		718. 02	26, 068. 51
New Mexico	.....			19, 004. 40	1, 000. 00	1, 000. 00	1, 500. 00	5, 000. 00
New York	.....	545, 991. 32			500. 00			564, 993. 72
North Carolina (West Raleigh)	.....		25, 492. 70	283. 16		11, 000. 00	831. 91	38, 137. 77
North Carolina (Greensboro)	.....			290. 84		542. 32	1, 321. 56	2, 154. 72

*a*Including grounds.

*b*Including apparatus.

*c*Including apparatus and machinery.

*d*Including machinery.

TABLE 7.—*Disbursements from the United States Treasury to the States and Territories of the appropriations in aid of colleges of agriculture and the mechanic arts under the act of Congress approved August 30, 1890.*

Year ending June 30—

State or Territory.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
Alabama.....	\$15,000	\$16,000	\$17,000	\$18,000	\$19,000	\$20,000	\$21,000	\$22,000	\$23,000	\$24,000	\$25,000	\$25,000	\$25,000	\$25,000
Arizona.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Arkansas.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
California.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Colorado.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Connecticut.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Delaware.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Florida.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Georgia.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Idaho.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Illinois.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
Indiana.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000	25,000
North Dakota.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Ohio.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Oklahoma (Stillwater)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Oklahoma (Langston)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Oregon.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Pennsylvania.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Rhode Island.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
South Carolina (Clemson College)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
South Carolina (Orangeburg)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
South Dakota.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Tennessee.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Texas (College Station)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Texas (Prairieview)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Utah.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Vermont.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Virginia (Blacksburg)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Virginia (Hampton)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Washington.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
West Virginia (Morgantown)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
West Virginia (Institute)	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Wisconsin.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Wyoming.....	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Total.....	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46	1,115,905.46

a From the annual statement of the Commissioner of Education to the Secretary of the Interior, 1902.

TABLE 7.—Disbursements from the United States Treasury to the States and Territories of the appropriations in aid of colleges of agriculture and the mechanic arts under the act of Congress approved August 30, 1890—Continued.

State or Territory.	Year ending June 30—												
	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Iowa.....	\$15,000	\$16,000	\$17,000	\$18,000	\$19,000	\$20,000	\$21,000	\$22,000	\$23,000	\$24,000	\$25,000	\$25,000	\$25,000
Kansas.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Kentucky.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Louisiana.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Maine.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Maryland.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Massachusetts.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Michigan.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Minnesota.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Mississippi.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Missouri.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Montana.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Nebraska.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Nevada.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
New Hampshire.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
New Jersey.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
New Mexico.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
New York.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
North Carolina.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
North Dakota.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Ohio.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Oklahoma.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Oregon.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Pennsylvania.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Rhode Island.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
South Carolina.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
South Dakota.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Tennessee.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Texas.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Utah.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Vermont.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Virginia.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Washington.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
West Virginia.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Wisconsin.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Wyoming.....	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000	25,000	25,000	25,000
Total.....	660,000	704,000	782,000	864,000	912,000	960,000	1,008,000	1,056,000	1,104,000	1,152,000	1,200,000	1,200,000	1,200,000

STATISTICS OF THE AGRICULTURAL EXPERIMENT STATIONS.

TABLE 8.—*General statistics, 1902.*

Station.	Location.	Director.	Date of original organization.	Date of organization under Hatch Act.	Number on staff.	Number of teachers on staff.	Number of persons on farmers' institutes.	Publications during fiscal year 1901-2.		Number of addresses on mailing list.	Principal lines of work.
								No.	Pages.		
Alabama (College).....	Auburn.....	C. C. Theobald.....	Feb. —, 1883	Feb. 24, 1888	13	8	6	7	467	9, 182	Botany; soils; analyses of fertilizers and food materials; field and pot experiments; horticulture; plant breeding; diseases of plants; feeding experiments; diseases of animals; dairying; soil improvement; field experiments; horticulture; floriculture; diseases of plants; diseases of animals; dairying. Field experiments; horticulture; diseases of plants; animal industry; dairying.
Alabama (Canebrake).....	Uniontown.....	J. M. Richeson.....	Jan. 1, 1886	Apr. 1, 1888	3	.....	1	.....	.....	300	.....
Alabama.....	Tuskegee.....	G. W. Carver.....	Feb. 15, 1897	.....	11	7	9	10	80	2, 000	.....
Arizona.....	Tucson.....	R. H. Forbes.....	.....	1889	8	5	3	7	228	5, 100	Chemistry; botany; field experiments; improvement of ranges; horticulture, including date-palm culture; feeding experiments; irrigation.
Arkansas.....	Fayetteville.....	R. L. Bennett.....	.....	1887	6	2	4	5	156	8, 000	Chemistry of foods; field experiments; horticulture; plant breeding; diseases of plants; feeding experiments; diseases of animals.
California.....	Berkeley.....	E. W. Hilgard.....	1875	Mar. —, 1888	31	14	.....	.....	.....	8, 100	Physics; chemistry and geographical distribution of soils; bacteriology; fertilizers; field crops; horticulture; botany; meteorology; technology of wine and olive oil, including zymology; beet-sugar chemistry; chemistry of foods and feeding stuffs; animal husbandry; entomology; dairying; drainage and irrigation; reclamation of alkali lands; plant introduction.

^a Acting director.

TABLE 8.—*General statistics, 1902—Continued.*

Station.	Location.	Director.	Date of original organization.	Date of organization under Hatch Act.	Number on staff.	Number of teachers on staff.	Number of persons on staff who assist in farmers' institutes.	Publications during fiscal year 1901-2.		Number of addresses on mailing list.	Principal lines of work.
								No.	Pages.		
Colorado	Fort Collins	L. G. Carpenter	1879	Feb. —, 1888	15	10	7	26	249	7, 300	Chemistry; field experiments; horticulture; plant breeding; entomology; irrigation.
Connecticut (State)	New Haven	E. H. Jenkins	Oct. 1, 1875	May 18, 1887	16 .....	.....	5	7	572	10, 500	Chemistry; analysis and inspection of fertilizers, foods, and feeding stuffs; inspection of Babcock test apparatus; and nurseries; diseases of plants; forestry; field experiments; entomology.
Connecticut (Storrs)	Storrs	L. A. Clinton ^a .....	.....	.....do.....	14	11	3	2	215	7, 000	Food and nutrition of man and animals; bacteriology of dairy products; field experiments; dairying.
Delaware	Newark	A. T. Neale .....	.....	Feb. 21, 1888	6	6	6	7	347	7, 278	Chemistry; bacteriology; field experiments; horticulture; diseases of plants; feeding experiments; diseases of animals; entomology; dairying.
Florida	Lake City	T. H. Taliaferro .....	.....	.....1888.....	13	7	5	2	35	5, 000	Chemistry; field experiments; horticulture; feeding experiments; veterinary science; entomology.
Georgia	Experiment	R. J. Redding	Feb. 18, 1888	July 1, 1889	7	1 .....	.....	4	282	9, 000	Field experiments; horticulture; entomology; pig feeding; dairying.
Idaho	Moscow	H. T. French .....	.....	Feb. 26, 1892	8	7	6	4	59	3, 500	Chemistry; physics; botany; field experiments; horticulture; entomology; feeding experiments.
Illinois	Urbana	E. Davenport .....	.....	Mar. 21, 1888	22	10	11	10	219	19, 500	Chemistry; bacteriology; field experiments; horticulture; forestry; plant breeding; diseases of plants; diseases of animals; feeding experiments; entomology; dairying.
Indiana	Lafayette	H. A. Huston	1885	Jan. —, 1888	10	7	9	6	198	8, 456	Chemistry; pot and field experiments; horticulture; feeding experiments; diseases of plants and animals.
Iowa	Ames	C. F. Curtiss .....	.....	Feb. 17, 1888	21	14	10	5	165	20, 000	Chemistry; botany; field experiments; horticulture; diseases of plants; feeding experiments; entomology; dairying.

Kansas.....	Manhattan.....	J. T. Willard.....	.....	Feb. 8, 1888	17	13	15	8	276	23, 350	Soils; horticulture; plant breeding; field experiments; feeding and digestion experiments; diseases of animals; entomology; dairying; extermination of prairie dogs and gophers.
Kentucky.....	Lexington.....	M. A. Scovell.....	Sept. —, 1885	Apr. —, 1888	16	.....	4	8	305	8, 300	Chemistry; soils; analysis of fertilizers, foods, and feeding stuffs; field experiments; horticulture; plant breeding; animal husbandry; diseases of plants; entomology; dairying.
Louisiana (Sugar).....	New Orleans.....	W. C. Stubbs.....	Sept. —, 1885	.....	.....	.....	.....	.....	.....	.....	Chemistry; bacteriology; soils and soil physics; field experiments; horticulture; sugar making; drainage; irrigation.
Louisiana (State).....	Baton Rouge.....	.....do.....	Apr. —, 1886	.....	26	4	10	6	279	15, 000	Chemistry; geology; botany; bacteriology; soils; inspection of fertilizers and Paris green; field experiments; horticulture; animal husbandry; diseases of animals; entomology.
Louisiana (North).....	Calhoun.....	.....do.....	May —, 1887	.....	.....	.....	.....	.....	.....	.....	Chemistry; soils; fertilizers; field experiments; horticulture; feeding experiments; stock raising; dairying.
Maine.....	Orono.....	C. D. Woods.....	Mar. —, 1885	Oct. 1, 1887	12	7	3	11	240	7, 000	Chemistry; botany; analysis and inspection of fertilizers, concentrated commercial feeding stuffs, and creamery glassware; horticulture; diseases of plants; seed tests; food and nutrition of man and animals; poultry raising; marine invertebrates; diseases of animals; entomology; dairying.
Maryland.....	College Park.....	H. J. Patterson.....	1888	Apr. —, 1888	15	8	6	9	219	12, 500	Chemistry; soils; field experiments; horticulture; diseases of plants; feeding experiments; diseases of animals; entomology.
Massachusetts.....	Amherst.....	H. H. Goodell.....	1882	Mar. 2, 1888	19	8	6	9	406	1, 700	Chemistry; meteorology; analysis and inspection of fertilizers and concentrated commercial feeding stuffs; inspection of creamery glassware and nurseries; field experiments; horticulture; electro-germination; diseases of plants; digestion and feeding experiments; diseases of animals; entomology; dairying.
Michigan.....	Agricultural College.....	C. D. Smith.....	.....	Feb. 26, 1888	14	8	7	12	218	31, 000	Chemistry; bacteriology; soils; field experiments; horticulture; diseases of plants; feeding experiments; diseases of animals; entomology; stable hygiene.

^a Acting director.

^b In 1882 the State organized a station here and maintained it until June 18, 1895, when it became a part of the Hatch Station at the same place.

TABLE 8.—*General statistics 1902*—Continued.

Station.	Location.	Director.	Date of original organization.	Date of organization under Hatch Act.	Number on staff.	Number of teachers on staff.	Number of persons on staff who assist in farmers' institutes.	Publications during fiscal year 1901-2.		Number of addresses on mailing list.	Principal lines of work.
								No.	Pages.		
Minnesota.....	St. Anthony Park, St. Paul.	W. M. Liggett.....	Mar. 7, 1885	1888	14	11	.....	5	290	13, 500	Chemistry; soils; field experiments; horticulture; forestry; diseases of plants; food and nutrition of man; plant and animal breeding; feeding experiments; diseases of animals; entomology; dairying.
Mississippi.....	Agricultural College.	W. L. Hutchinson.....	.....	Jan. 27, 1888	10	5	7	8	208	17, 500	Soils; fertilizers; field experiments; horticulture; animal husbandry; diseases of animals; entomology; dairying.
Missouri (State).....	Columbia.....	H. J. Waters.....	.....	Jan. —, 1888	16	7	5	5	132	12, 000	Chemistry; field experiments; horticulture; diseases of plants; feeding experiments; animal and plant breeding; diseases of animals; entomology; dairying; irrigation.
Missouri (Fruit).....	Mountain Grove.....	J. T. Stinson.....	Feb. 1, 1900	.....	4	.....	3	1	20	3, 000	Chemistry; meteorology; botany; field experiments; horticulture; feeding experiments; poultry experiments; entomology; irrigation.
Montana.....	Bozeman.....	S. Forster.....	.....	July 1, 1893	9	6	7	5	178	1, 812	Chemistry; botany; horticulture; soils; field experiments; meteorology; diseases of plants; forestry; feeding and breeding experiments; diseases of animals; entomology; irrigation.
Nebraska.....	Lincoln.....	E. A. Burnett.....	Dec. 16, 1884	June 13, 1887	17	9	8	5	159	16, 000	Chemistry; botany; horticulture; soils; field experiments; meteorology; diseases of plants; forestry; feeding and breeding experiments; diseases of animals; entomology; irrigation.
Nevada.....	Reno.....	J. E. Stubbs.....	.....	.....	10	6	6	3	180	2, 000	Chemistry; botany; soils; field experiments; horticulture; forestry; animal diseases; entomology; irrigation.
New Hampshire.....	Durham.....	F. W. Morse.....	1886	Aug. 4, 1887	11	8	6	13	184	12, 000	Chemistry; bacteriology; soil physics; draft and efficiency test of surface-working implements; field experiments; horticulture; diseases of plants; feeding experiments; entomology.

New Jersey (State)	New Brunswick	E. B. Voorhees	Mar. 10, 1880	12	2	4	5	497	} 10,000	Chemistry; biology; botany; analysis of fertilizers, foods, and commercial feeding stuffs; pot and field experiments; horticulture; diseases of plants; food and nutrition of man; diseases of animals; entomology; dairy husbandry; soil bacteriology; irrigation.
New Jersey (College)	do	do	Apr. 26, 1888	7	4	3	5	406		
New Mexico	Mesilla Park	Luther Foster	Dec. 14, 1889	11	7	.....	5	166	3,200	Chemistry; botany; field experiments; horticulture; soils; feeding experiments; entomology; irrigation.
New York (State)	Geneva	W. H. Jordan	Mar. —, 1882	24	.....	10	18	996	41,430	Chemistry; bacteriology; meteorology; fertilizers; analysis and control of fertilizers; inspection of creamery glassware; field experiments; horticulture; diseases of plants; feeding experiments; poultry experiments; entomology; dairying; irrigation.
New York (Cornell)	Ithaca	L. P. Roberts	1879	18	15	6	9	238	19,000	Chemistry of soils; feeding stuffs; and dairy products; soils; fertilizers; field experiments; horticulture; diseases of plants; feeding experiments; diseases of animals; poultry experiments; entomology; dairying.
North Carolina	Raleigh	B. W. Kilgore	Mar. 12, 1877	12	6	6	2	140	25,000	Chemistry; soils; field experiments; horticulture; plant diseases; animal husbandry; diseases of animals; poultry experiments; dairying.
North Dakota	Agricultural College	J. H. Worst	Mar. —, 1890	7	10	6	5	309	9,500	Field experiments; plant breeding; horticulture; diseases of plants; food analysis; feeding experiments; diseases of animals; dairying.
Ohio	Wooster	C. E. Thorne	Apr. 2, 1888	15	.....	4	8	195	43,000	Soils; field experiments; horticulture; plant breeding; diseases of plants; breeding and feeding experiments; diseases of animals; entomology.
Oklahoma	Stillwater	John Fields	Dec. 25, 1890	9	6	5	5	228	18,315	Chemistry; field experiments; horticulture; forestry; botany; diseases of plants; animal husbandry; diseases of animals; entomology.
Oregon	Corvallis	J. Withycombe	July —, 1888	11	7	4	5	208	4,300	Chemistry; bacteriology; soils; field crops; horticulture; diseases of plants; feeding experiments; entomology; dairying.
Pennsylvania	State College	H. P. Arnsby	June 30, 1887	14	7	5	5	465	15,000	Chemistry; meteorology; analysis of fertilizers, foods, and feeding stuffs; horticulture; field experiments; feeding experiments; dairying.
Rhode Island	Kingston	H. J. Wheeler	July 30, 1888	11	3	.....	8	203	6,634	Chemistry; meteorology; soils; analysis and inspection of fertilizers and feeding stuffs; field and pot experiments; horticulture; poultry experiments.

^a Vice-director.

TABLE 8. — *General statistics, 1902—Continued.*

Station.	Location.	Director.	Date of original organization.	Date of organization under Hatch Act.	Number on staff.	Number of teachers on staff.	Number of persons on farmers' institutes.	Publications during fiscal year 1901-2.		Number of addresses on mailing list.	Principal lines of work.
								No.	Pages.		
South Carolina	Clemson College..	P. H. Mell .....	.....	Jan. —, 1888	17	12	11	9	212	9, 000	Chemistry; analysis and control of fertilizers; field experiments; horticulture; plant breeding; diseases of plants; feeding experiments; veterinary science; entomology; dairying; Soils; field experiments; plant breeding; diseases of plants and animals; animal husbandry; dairying; irrigation. Chemistry; soils; fertilizers; field experiments; horticulture; seeds; weeds; diseases of plants; feeding experiments; entomology; dairying.
South Dakota	Brookings	J. W. Wilson .....	.....	Mar. 13, 1887	12	6	.....	4	132	9, 000	Chemistry; meteorology; soils; field experiments; horticulture; feeding experiments; diseases of animals; irrigation.
Tennessee	Knoxville	A. M. Soule	June 8, 1882	Aug. 4, 1887	11	9	5	8	310	10, 000	Chemistry of soils and feeding stuffs; alkali soil investigations; meteorology; field experiments; horticulture; diseases of plants; cattle and sheep breeding; feeding experiments; dairying; poultry experiments; irrigation; arid farming.
Texas	College Station...	W. D. Gibbs .....	.....	.....	14	5	3	5	197	10, 000	Chemistry; botany; analysis and control of fertilizers and feeding stuffs; inspection of creamery glassware; field experiments; horticulture; diseases of plants; feeding experiments; dairying.
Utah	Logan	J. A. Widtsoe .....	.....	1890	15	9	7	6	222	6, 000	Field crops; horticulture; bacteriology; feeding experiments; veterinary science; entomology; cider and vinegar making; ferments.
Vermont	Burlington	J. L. Hills	Nov. 24, 1886	Feb. 28, 1888	11	6	3	9	415	11, 350	Field crops; horticulture; bacteriology; feeding experiments; veterinary science; entomology; cider and vinegar making; ferments.
Virginia	Blacksburg	J. M. McBryde	1888	1891	11	6	4	17	242	9, 000	Field crops; horticulture; bacteriology; feeding experiments; veterinary science; entomology; cider and vinegar making; ferments.

Washington	Pullman	E. A. Bryan	1891	14	8	9	7	118	5,000	Chemistry; botany; bacteriology; soils; field experiments; horticulture; plant breeding; diseases of plants; feeding and breeding experiments; oyster culture; diseases of animals; entomology; dairying; irrigation.
West Virginia	Morgantown	J. H. Stewart	June 11, 1888	15	5	7	7	290	8,000	Chemistry; analysis and control of fertilizers; soils; field experiments; horticulture; inspection of orchards and nurseries; feeding experiments; poultry experiments; entomology.
Wisconsin	Madison	W. A. Henry	1883	17	14	8	7	449	13,000	Chemistry; bacteriology; soils; field experiments; horticulture; feeding experiments; dairying; drainage and irrigation.
Wyoming	Laramie	B. C. Buffum	Mar. 1, 1891	8	8	.....	5	204	3,700	Geology; botany; meteorology; waters; soils; range improvement; fertilizers; field experiments; food analysis; feeding experiments; entomology; irrigation.
Total				710	364	288	373	13,409	596,277	

TABLE 9.—Revenue and additions to equipment in 1902.

Station.	Hatch fund.	State.	Individuals and communities.	Fees.	Farm products.	Miscellaneous.	Total.	Additions to equipment in 1902.					
								Buildings.	Library.	Apparatus.	Farm implements.	Live stock.	Miscellaneous.
Alabama (College)...	\$15,000.00	.....	.....	\$5,201.66	\$736.59	.....	\$20,938.25	\$475.14	\$504.74	\$302.76	\$145.60	\$193.75	\$247.00
Alabama (Canebrake)	.....	\$2,500.00	.....	.....	.....	.....	2,500.00	2,500.00	250.00	.....	100.00	200.00	\$1,870.99
Alabama (Tuskegee)	.....	1,500.00	.....	.....	.....	.....	1,500.00	100.00	100.00	40.00	25.00	200.00	3,150.00
Arizona	15,000.00	1,940.36	.....	5.00	879.10	\$108.00	16,833.06	700.00	50.00	60.00	330.00	730.00	2,160.00
Arkansas	15,000.00	.....	.....	.....	1,230.57	.....	16,230.57	162.31	80.08	42.90	570.00	23.95	894.99
California	15,000.00	11,923.00	.....	.....	549.22	.....	27,472.22	83.00	41.13	58.95	.....	.....	170.03
Colorado	15,000.00	.....	.....	.....	1,036.26	.....	15,036.26	600.00	117.87	530.00	105.00	.....	1,352.87
Connecticut (State)	7,500.00	15,500.00	.....	5,322.85	1,241.00	<i>a</i> 1,989.83	31,976.69	.....	583.74	106.45	.....	.....	993.09
Connecticut (Storrs)	7,500.00	1,800.00	\$2,301.38	.....	119.21	52.46	9,419.21	308.58	518.38	520.33	9.00	12.15	292.90
Delaware	15,000.00	.....	.....	.....	.....	.....	15,000.00	267.01	.....	366.93	58.80	.....	850.06
Florida	15,000.00	740.25	.....	.....	1,271.71	.....	16,271.71	300.00	137.93	17.75	176.00	387.93	2,702.77
Georgia	15,000.00	1,000.00	.....	.....	2,263.26	.....	20,503.26	.....	25.00	.....	100.00	50.00	1,029.61
Idaho	15,000.00	54,000.00	.....	600.00	965.75	<i>b</i> 2,498.49	16,965.75	.....	125.00	120.00	175.75	.....	175.00
Illinois	15,000.00	.....	.....	.....	246.92	<i>b</i> 865.24	16,712.16	108.53	127.69	345.35	136.87	495.00	420.75
Indiana	15,000.00	.....	.....	6.00	4,304.61	27.51	18,306.48	42.26	108.75	16.20	187.67	145.00	1,674.63
Iowa	15,000.00	.....	.....	.....	.....	.....	19,338.12	43.97	10.00	562.26	490.83	99.00	1,099.88
Kansas	15,000.00	.....	.....	.....	1,351.68	<i>b</i> 800.96	17,152.64	3,000.00	76.85	3,772.57	336.90	37.00	2,206.06
Kentucky	15,000.00	<i>a</i> 4,683.62	.....	.....	6,501.02	<i>a</i> 331.51	32,909.73	1,296.96	919.45	245.21	339.51	2,101.00	14,484.48
Louisiana	15,000.00	17,000.00	.....	.....	1,866.05	<i>a</i> 8,341.14	20,277.19	659.07	17.96	65.98	337.20	579.21	5,572.03
Maine	15,000.00	.....	.....	<i>c</i> 4,213.25	3,078.66	<i>b</i> 73.89	22,365.80	.....	218.09	100.00	100.00	.....	3,363.56
Maryland	15,000.00	.....	.....	.....	4,808.89	<i>b</i> 723.34	24,532.23	1,493.11	358.93	97.40	1,005.80	64.93	418.09
Massachusetts	15,000.00	11,200.00	.....	3,405.00	2,274.66	2,319.66	34,199.32	.....	284.40	703.21	538.16	664.02	3,020.17
Massachusetts	15,000.00	5,000.00	.....	1,800.00	2,736.08	<i>a</i> 1,976.14	26,572.22	1,944.19	202.22	823.51	243.30	.....	2,189.79
Michigan	15,000.00	412,130.01	.....	.....	413,579.11	.....	70,709.12	28,000.00	1,000.00	552.70	847.40	3,585.25	3,213.22
Minnesota	15,000.00	.....	.....	.....	1,112.32	<i>a</i> 277.37	16,389.69	45.00	132.00	.....	485.00	300.00	33,985.35
Mississippi	15,000.00	.....	.....	2,087.69	3,460.85	<i>a</i> 8,842.89	24,391.43	75,000.00	150.00	150.00	75.00	1,400.00	1,012.00
Missouri (State)	15,000.00	.....	.....	.....	.....	.....	26,523.00	2,000.00	225.00	825.00	420.00	180.00	76,775.00
Missouri (Fruit)	15,000.00	.....	.....	.....	.....	.....	26,523.00	417.45	90.00	186.36	185.05	500.00	3,950.00
Montana	15,000.00	825.09	.....	.....	4,183.61	.....	20,008.70	.....	131.03	681.80	309.35	.....	1,608.16
Nebraska	15,000.00	.....	.....	.....	4,613.18	<i>b</i> 983.56	20,996.74	823.46	49.08	58.38	248.80	1,205.00	5,310.83
Nevada	15,000.00	.....	.....	.....	598.49	<i>b</i> 432.57	16,031.06	621.23	253.86	286.73	129.11	.....	1,533.79
New Hampshire	15,000.00	.....	.....	592.50	.....	.....	15,592.50	.....	91.24	965.31	.....	.....	351.65
New Jersey (State)	15,000.00	20,000.00	.....	.....	.....	.....	20,000.00	.....	620.13	204.22	104.00	377.25	1,021.35
New Jersey (College)	15,000.00	.....	.....	.....	1,115.42	.....	15,000.00	1,064.57	156.76	4.59	1,270.68	.....	1,783.73
New Mexico	15,000.00	.....	.....	.....	.....	<i>f</i> 5,588.97	16,115.42	.....	.....	.....	.....	176.00	1,017.02
New York (State)	15,000.00	74,847.55	.....	.....	.....	<i>a</i> 588.21	81,906.52	.....	600.00	36.69	178.00	.....	3,377.69
New York (Cornell)	13,500.00	912,666.67	.....	.....	.....	<i>a</i> 588.56	27,288.44	2,150.00	150.00	188.57	.....	176.00	812.69
North Carolina	15,000.00	.....	.....	.....	199.73	.....	20,199.73	12.97	19.00	49.00	211.98	1,580.45	2,666.57
North Dakota	15,000.00	.....	.....	.....	.....	966.25	17,926.10	.....	19.00	417.89	478.67	350.00	1,854.40
Ohio	15,000.00	21,900.00	.....	324.80	.....	.....	59,148.70	1,175.65	153.98	14.07	129.76	.....	1,552.42
Oklahoma	15,000.00	.....	.....	.....	.....	.....	18,338.93	1,194.40	11.70	32.76	376.31	.....	1,893.06
Oregon	15,000.00	.....	.....	.....	.....	<i>a</i> 1,973.73	16,973.73	602.15	70.46	98.12	139.51	538.06	1,448.35

Pennsylvania	15,000.00				10,201.00	3,324.61	663.89	29,189.50		670.21	2,176.48	165.75	71.00	688.18	3,771.62
Rhode Island	15,000.00					1,032.01	a 278.79	16,330.80	2,363.71	518.31	173.39	378.30			3,435.71
South Carolina	15,000.00					1,030.39		16,030.39	210.82	189.03	282.18	192.05	801.52		1,688.60
South Dakota	15,000.00	1,000.00				437.01	213.58	16,650.59	678.19	509.18	211.45			251.37	1,656.19
Tennessee	15,000.00					3,074.28	b 734.92	18,809.20	473.19	207.96	141.78	254.45	500.00	25.00	1,662.38
Texas	15,000.00						a 659.22	30,659.22	309.65	76.62	371.41	13.74	22.00	100.87	891.29
Utah	15,000.00					1,819.67	a 712.01	17,531.68	12,000.00	67.82	262.25	276.70	400.00	54.43	13,061.20
Vermont	15,000.00				3,483.53	7,032.76		26,516.29	1,482.49	137.13	330.32	371.41	421.00		2,745.35
Virginia	15,000.00						20.81	15,020.81			209.18				209.18
Washington	15,000.00						i 645.51	21,735.08	22,000.00	6.00	216.35	54.31	379.12	289.70	22,945.51
West Virginia	15,000.00				8,045.50	436.61	120.00	23,602.14	2,467.06	296.08	345.17	42.55	544.21		3,655.07
Wisconsin	15,000.00				1,200.00			31,200.00	6,000.00	479.00	447.00	1,342.00	483.00		8,751.00
Wyoming	15,000.00					1,157.42		16,157.42	1,050.00	500.00	601.60	516.98	861.47	221.75	3,751.80
Total	720,000.00	369,771.12	2,301.38	80,942.36	105,644.60	50,187.91		1,328,847.37	176,113.78	11,941.98	19,727.94	14,982.56	20,554.27	19,509.09	262,829.62

^a Including balance.

^b Balance from previous year.

^c For calendar year 1901.

^d Including substations.

^e For biennial period 1901 and 1902.

^f Insurance.

^g Estimated amount of State appropriation spent for experimental purposes.

^h Dairy and live stock.

ⁱ Including fees and farm products.

TABLE 10.—Expenditures from United States appropriation for year ended June 30, 1902. a

Station.	Amount.	Itemized.															Contingent expenses.	Building and repairs.		
		Salaries.	Labor.	Publications.	Postage and stationery.	Freight and express.	Heat, light, and water.	Chemical supplies.	Seeds, plants, and sundry supplies.	Fertilizers.	Feedingstuffs.	Library.	Tools, implements, and machinery.	Furniture and fixtures.	Scientific apparatus.	Live stock.			Traveling expenses.	
Alabama.....	\$5,000.00	\$8,640.00	\$1,445.37	\$1,146.90	\$257.60	\$317.11	\$229.61	\$51.88	\$830.17	\$267.14	\$222.41	\$506.74	\$392.14	\$17.72	\$302.76	\$15.05	\$15.05	\$197.86	100.00	\$72.11
Arizona.....	15,000.00	7,514.58	3,631.57	1,181.92	334.24	124.36	235.97	167.63	167.63	257.62	169.83	43.38	332.41	289.38	63.99	25.25	23.95	384.66	110.00	162.31
Arkansas.....	15,000.00	8,305.25	2,997.50	335.78	104.28	405.28	323.62	621.49	621.49	4.40	670.76	80.08	570.00	58.65	38.60	52.65	23.95	644.73	5.00	83.00
California.....	15,000.00	6,989.92	4,371.29	418.34	310.87	401.51	135.58	762.31	618.61	.....	319.20	48.83	55.91	89.00	42.90	256.00	1,278.77	40.00	9.97	
Colorado.....	15,000.00	10,537.81	396.70	1,275.18	145.53	147.86	.....	15.55	53.04	59.50	.....	96.18	104.79	88.65	491.47	.....	.....	.....	.....	.....
Connecticut (State).....	7,500.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut (Storrs).....	7,500.00	4,407.35	935.95	6.00	329.86	64.25	354.37	140.90	228.18	38.26	10.07	.....	27.06	103.14	426.92	12.15	91.96	.....	308.58	.....
Delaware.....	15,000.00	9,210.00	978.17	1,154.59	193.00	101.15	351.80	94.92	496.52	.....	54.08	518.38	58.80	337.03	366.93	.....	700.70	116.06	297.04	.....
Florida.....	15,000.00	6,061.05	3,714.68	1,063.55	341.62	182.60	322.60	37.78	438.30	304.08	1,254.39	126.68	170.75	.....	8.07	397.93	.....	251.92	15.00	300.00
Georgia.....	15,000.00	7,787.65	2,391.70	986.08	221.19	202.96	226.43	300.00	566.71	199.83	583.38	86.76	299.41	57.41	180.52	.....	125.34	.....	34.20	750.00
Idaho.....	15,000.00	8,166.62	3,051.95	411.33	57.85	138.75	967.34	299.07	199.53	1.15	66.22	44.22	173.75	87.49	120.00	.....	331.05	123.05	736.43	.....
Illinois.....	15,000.00	6,498.36	2,349.26	1,317.09	776.55	242.02	321.16	514.07	337.93	5.75	493.00	127.69	136.87	461.19	345.35	495.00	351.67	118.51	108.53	.....
Indiana.....	15,000.00	8,601.19	2,396.19	689.20	77.57	155.74	504.31	12.97	647.74	7.25	817.29	108.75	304.85	32.65	16.20	174.08	117.76	28.05	308.21	.....
Iowa.....	15,000.00	7,168.37	3,189.96	843.92	620.50	399.75	225.50	66.35	666.68	19.54	202.78	10.00	490.83	3.50	562.26	99.00	372.09	15.00	43.97	.....
Kansas.....	15,000.00	7,870.03	3,142.62	635.89	221.79	198.87	87.85	112.48	305.66	6.00	794.19	78.53	110.85	207.27	218.47	550.26	258.59	333.70	166.95	.....
Kentucky.....	15,000.00	11,440.00	1,187.62	122.80	179.45	95.41	26.82	341.74	444.25	158.09	747.06	17.96	275.89	.....	33.97	473.89	.....	.....	.....	.....
Louisiana.....	15,000.00	8,087.37	3,221.53	609.40	170.76	247.23	239.35	275.00	409.49	137.17	1,000.33	218.09	116.63	113.26	103.64	248.50	259.62	15.00	685.91	.....
Maine.....	15,000.00	7,882.52	1,825.15	245.00	243.65	229.75	953.09	330.20	468.03	100.83	241.63	358.93	505.80	191.08	97.40	64.93	64.42	15.00	750.00	.....
Maryland.....	15,000.00	8,025.64	2,690.52	671.85	105.30	100.00	341.70	206.89	468.03	100.83	210.83	140.53	538.16	28.95	59.24	410.93	130.57	131.15	372.94	.....
Massachusetts.....	15,000.00	7,306.88	2,221.12	1,205.64	359.37	60.57	765.27	.....	530.60	444.25	210.83	140.53	538.16	28.95	59.24	410.93	130.57	131.15	372.94	.....
Michigan.....	15,000.00	7,264.12	2,471.05	297.47	286.75	198.10	.....	206.67	1,017.24	.....	594.68	199.56	198.79	27.50	770.63	120.82	125.92	.....	221.20	.....
Minnesota.....	15,000.00	10,306.55	1,357.12	382.30	.....	.....	650.00	19.15	48.70	.....	1,456.70	.....	3.25	.....	776.00	.....	776.00	.....	7.15	.....
Mississippi.....	15,000.00	7,882.74	1,510.27	835.02	214.48	334.20	175.92	374.00	443.31	58.05	1,163.56	80.80	665.66	.....	79.75	208.28	325.44	15.00	433.52	.....
Missouri.....	15,000.00	6,403.19	2,483.29	1,013.93	599.68	188.02	180.88	366.84	366.84	1.50	2,515.13	145.25	97.42	32.80	130.16	1,378.60	299.64	13.00	168.15	.....
Montana.....	15,000.00	9,018.25	2,215.06	1,232.88	182.08	438.17	281.72	135.56	470.12	32.50	150.54	223.81	185.05	269.30	287.17	.....	23.00	.....	.....	.....
Nebraska.....	15,000.00	8,253.83	1,498.65	1,010.79	764.87	171.18	.....	283.20	704.06	.....	1,004.66	131.03	66.00	245.33	156.37	105.00	50.05	307.58	.....	.....
Nevada.....	15,000.00	9,759.50	3,050.08	32.07	83.74	72.51	495.95	36.33	378.59	186.90	.....	.....	6.50	4.00	11.55	.....	50.05	.....	.....	.....
New Hampshire.....	15,000.00	9,010.39	1,825.13	1,329.35	95.21	92.00	583.37	102.49	439.89	156.41	7.00	253.86	153.93	351.65	286.73	.....	246.75	140.00	621.23	.....
New Jersey.....	15,000.00	9,580.00	933.51	1,500.33	268.68	82.61	279.15	56.37	160.90	156.41	154.62	620.13	104.00	228.94	204.22	.....	383.66	171.20	29.01	.....
New Mexico.....	15,000.00	6,821.05	2,691.65	2,415.36	504.41	771.36	97.54	2.80	711.20	111.00	259.32	156.56	1,317.53	505.04	4.59	377.25	388.14	35.00	.....	.....
New York.....	15,000.00	.....	.....	1,187.75	339.10	.....	.....	19.00	.....	.....	.....	2.00	.....	75.00	.....	.....	.....	144.89	.....	.....
New York (State).....	13,500.00	8,681.10	1,803.66	1,690.24	309.95	94.09	88.47	30.28	399.42	17.27	4.00	78.87	19.50	1.50	147.23	.....	37.66	.....	.....	.....
North Carolina.....	15,000.00	8,263.77	1,585.45	80.82	117.00	250.30	9.03	62.16	190.42	90.42	568.27	12.97	270.08	20.50	49.00	2,800.87	58.55	210.00	329.79	.....
North Dakota.....	15,000.00	7,211.27	3,328.01	914.40	65.00	.....	577.38	97.92	592.08	.....	789.83	19.00	490.22	.....	417.89	350.00	124.00	.....	23.00	.....
Ohio.....	15,000.00	12,102.63	585.92	179.12	15.62	312.06	.....	.....	646.06	175.45	379.83	52.55	388.47	79.22	.....	.....	.....	.....	13.00	68.07
Oklahoma.....	15,000.00	5,827.00	2,957.65	1,442.19	669.21	213.14	414.64	218.81	137.03	102.80	581.85	14.70	376.31	276.89	32.76	.....	555.67	354.32	.....	.....
Oregon.....	15,000.00	10,463.50	2,917.62	469.85	71.23	131.75	.....	217.86	133.59	15.13	423.00	70.46	139.54	.....	98.12	.....	.....	19.30	602.15	.....

TABLE 11.—*Disbursements from the United States Treasury to the States and Territories for agricultural experiment stations under the act of Congress approved March 2, 1887.*

State or Territory.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Alabama.....	\$11,250.00	\$18,750.00	\$14,999.34	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
Arizona.....	11,250.00	18,750.00	10,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	14,816.71	14,987.09	14,999.35	15,000.00	15,000.00	15,000.00	15,000.00
Arkansas.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
California.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Colorado.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Connecticut.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Dakota (Territory).....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Delaware.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Florida.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Georgia.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Idaho.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Illinois.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Indiana.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Iowa.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Kansas.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Kentucky.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Louisiana.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Maine.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Maryland.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Massachusetts.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Michigan.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Minnesota.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Mississippi.....	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Missouri.....	11,250.00	13,391.66	15,455.58	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00

*a*This table was prepared in the Treasury for the use of this Department by the courtesy of the honorable Secretary of the Treasury.

*a*The expenditures under the different heads are affected by the total revenue of the station, as shown in Table 9.

Pennsylvania	15,000.00	10,978.76	6.50	241.20	225.82	149.01	875.46	64.84	176.03	951.50	327.25	333.64	4.25	218.57	398.14	242.25	25.00	298.78
Rhode Island	15,000.00	6,947.87	3,108.13	2.50	294.28	111.97	988.09	13.04	462.20	183.73	518.31	378.30	242.35	175.39	177.36	302.98	29.40	748.02
South Carolina	15,000.00	7,550.58	2,330.41	1,146.63	189.91	304.51	38.89	374.81	385.00	265.62	375.88	189.03	24.90	292.18	804.52	317.98	21.25	210.82
South Dakota	15,000.00	8,946.61	1,332.49	1,148.46	277.21	276.28	1.35	293.18	480.89	278.53	318.63	333.45	254.37	386.00	87.18	15.00	679.18	
Tennessee	15,000.00	7,646.67	3,908.27	897.19	293.48	39.05	287.10	101.80	246.28	378.08	267.96	254.45	141.78	141.78	148.83	158.15	150.31	
Texas	15,000.00	8,908.55	1,544.37	1,341.66	572.19	237.12	30.50	425.96	340.53	158.45	76.62	34.01	100.87	371.41	22.00	364.03	51.75	
Utah	15,000.00	8,451.78	3,487.32	481.71	280.48	62.19	206.20	241.55	212.87	341.08	67.82	276.70	54.43	60.70	269.00	59.95	31.25	
Vermont	15,000.00	6,646.33	2,806.68	1,124.86	397.56	158.58	481.31	202.82	131.91	252.71	137.13	34.68	132.41	330.32	27.00	312.53	66.45	
Virginia	15,000.00	9,048.61	2,101.99	1,651.62	56.88	118.09	239.33	143.29	638.87	405.56	6.00	54.34	85.75	216.35	162.75	421.40	10.00	
Washington	15,000.00	8,426.37	2,738.97	1,621.31	141.76	883.50	26.45	588.05	377.84	141.02	6.00	1.50	345.17	331.00	376.64	15.00	181.05	
West Virginia	15,000.00	11,306.38	2,268.16	7.80	189.33	432.35	596.55	551.35	377.84	161.70	450.85	1.50	345.17	331.00	376.64	15.00	181.05	
Wisconsin	15,000.00	8,908.33	3,368.16	1,115.05	115.05	85.73	35.00	654.97	118.15	243.70	492.05	125.00	-----	166.73	360.00	312.75	2.00	
Wyoming	15,000.00	4,350.17	3,731.94	1,109.86	573.25	466.90	624.41	221.75	276.56	332.16	31.85	516.98	388.95	212.65	861.47	648.81	27.00	

TABLE 11.—Disbursements from the United States Treasury to the States and Territories for agricultural experiment stations under the act of Congress approved March 2, 1887—Continued.

State or Territory.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Montana	\$1,250.00	\$18,750.00	\$15,000.00	\$14,999.87	\$15,000.00	\$14,951.08	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
Nebraska	11,250.00	18,750.00	14,951.39	15,000.00	14,999.44	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	14,988.49	15,000.00	15,000.00	15,000.00
New Hampshire	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
New Jersey	11,250.00	18,711.97	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
New Mexico		10,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
New York	11,250.00	18,708.09	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	14,987.18	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
North Carolina	11,250.00	18,750.00	15,000.00	17,500.00	15,000.00	15,000.00	14,839.62	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
North Dakota			15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Ohio	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Oklahoma			15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	14,701.00	15,000.00	15,000.00	14,691.43	15,000.00	14,999.07	15,000.00	15,000.00
Oregon	11,250.00	11,250.00	9,132.52	15,000.00	13,791.71	16,207.59	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Pennsylvania	11,250.00	18,717.95	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Rhode Island		15,000.00	30,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
South Carolina	11,250.00	18,750.00	15,000.00	15,000.00	14,512.15	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
South Dakota			15,000.00	3,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Tennessee	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Texas	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Utah			10,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Vermont	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Virginia	11,250.00	18,742.57	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Washington					15,000.00	15,000.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
West Virginia	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Wisconsin	11,250.00	18,750.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Wyoming				15,000.00	45,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Total	427,500.00	713,792.63	624,523.56	662,499.74	718,333.30	702,408.67	723,561.83	719,701.00	719,803.89	716,199.86	723,321.14	719,986.56	719,998.70	719,998.90	719,469.72